JOURNAL OF PERIODONTOLOGY

Author Index to Volume 73, 2002, numbers 1 through 12

A

Abreu ALC. see Alencar VBM.
Aguirre A, et al. Serendipitous diagnosis of protein S deficiency. 1197
Aguirre A. see Musa NJ.
Alaaddinoglu EE. see Bulut S.
Albert A. see Geerts SO.
Aldredge WA. see Oringer RJ.
Alencar VBM, et al. Disodium chlodronate prevents bone resorption in experimental periodontitis in rats. 251
Al-Shammari KF. see Oringer RJ.
Al-Shammari KF. see Perez LA.
Alves MEAF. see Blumenthal NM.
Amano A. see Kimura S.
American Academy of Periodontology
American Academy of Periodontology statement regarding gingival curettage. 1229
Lasers in periodontics. 1231
Modulation of the host response in periodontal therapy. 460
Periodontal management of patients with cardiovascular diseases. 954
President's address. 1575
2002 Annual Report. 1560
2002 Balint Orban Memorial Program Abstracts. 969
2002 Oral Research Forum Abstracts. 1089
2002 Research Forum Poster Abstracts. 1240, 1396, 1544
Anderson GB. see Porras R.
Aniol D. see Frentzen M.
Aoki A. see Sasaki KM.
Archila L. see Dowsett SA.
Ardekian L. see Oettinger-Barak O.
Armamento-Villareal R. see Hildebolt CF.
Armand S, et al. Radiographic and histologic evaluation of a sinus augmentation with composite bone graft: a clinical case report. 1082
Armitage GC. see Huynh QN.
Artzi Z. see Nemcovsky CE.
Arweiler NB. see Sculean A.
Atilla G. see Azmak N.
Atilla G. see Buduneli N.
Ayalon S. see Shapira L.
Ayangco L, et al. Pyostomatitis vegetans as an early sign of reactivation of Crohn's disease: a case report. 1512
Aydin BG. see Soileau KM.
Azambuja N., Jr. see Lavos-Valereto I de C.
Azmak N, et al. The effect of subgingival controlled-release delivery of chlorhexidine chip on clinical parameters and matrix metalloproteinase-8 levels in gingival crevicular fluid. 608

B

Bader JD. see Elter JR.
Bahar H. see Binderman I.
Baloş K. see Tüter G.
Bannon M. see Yeung SCH.
Barak S. see Oettinger-Barak O.
Barbe G. see Sculean A.
Barbierato B. see Karadottir H.
Barboza EP, et al. Bone regeneration of localized chronic alveolar defects utilizing cell binding peptide associated with anorganic bovine-derived bone mineral: a clinical and histological study. 1153
Barnes CM. see Meinberg TA.
Barone A, et al. Root surface morphological changes after focused versus defocused CO_2 laser irradiation: a scanning electron microscopy analysis. 370
Barone A. see Crespi R.
Baruch Y. see Oettinger-Barak O.
Basegmez C. see Yalcin F.
Baydar T. see Ozmeric N.
Baylas H. see Buduneli N.
Bazile A, et al. Periodontal assessment of patients undergoing angioplasty for treatment of coronary artery disease. 631
Beckman B. see Stambaugh RV.
Bee JH. see Daghigh F.
Béné MC. see Plombas M.
Berakdar M. see Sculean A.
Berber L. see Yalcin F.
Bernardi F. see Zucchelli G.
Bernardoni CB. see Romero BC.
Bernimoulin J-P. see Friedmann A.
Berwald B. see Oringer RJ.
Beydouin F. see Fine DH.
Bezerra MM. see Alencar VBM.
Bhattacharyya I. see Thylin MR.
Bilezikçi B. see Bulut S.
Billman MA. see Fowler EB.
Billman MA. see Snyder HB.
Binderman I, et al. Strain relaxation of fibroblasts in the marginal periodontium is the common trigger for alveolar bone resorption: a novel hypothesis. 1210

Index

Bird PS. see Gemmell E.
Bird PS. see Sosroseno W.
Bird PS. see Yeung SCH.
Bissada NF. see Bazile A.
Blumenthal NM, et al. Effect of surgical implantation of recombinant human bone morphogenetic protein-2 in a bioabsorbable collagen sponge or calcium phosphate putty carrier in intrabony periodontal defects in the baboon. 1494
Bodur A. see Ozmeric N.
Boëck-Neto RJ, et al. Histomorphometrical analysis of bone formed after maxillary sinus floor augmentation by grafting with a combination of autogenous bone and demineralized freeze-dried bone allograft or hydroxyapatite. 266
Bogle M. see Karadottir H.
Borghaei RC. see Daghigh F.
Boring JG. see Johnson RB.
Borke J. see Herold RW.
Borrajo JLL, et al. Efficacy of chlorhexidine mouthrinses with and without alcohol: a clinical study. 317
Boson WL. see Cury VF.
Bostanci HS. see Eren KS.
Boyan BD. see Goldstein M.
Bradford EH, Jr. see Gilbert GH.
Bradshaw MH. see Novak MJ.
Braun A. see Frentzen M.
Brayton JJ, et al. An in vitro model of ciprofloxacin and minocycline transport by oral epithelial cells. 1267
Brecx M. see Sculean A.
Brenner T. see Shapira L.
Brito GAC. see Alencar VBM.
Brunel G. see Armand S.
Brunsvold MA. see Scheyer ET.
Bryant N. see White C, Jr.
Buchmann R, et al. Aggressive periodontitis: 5-year follow-up of treatment. 675
Buchmann R, et al. Resolution of crevicular fluid leukocyte activity in patients treated for aggressive periodontal disease. 995
Buduneli N, et al. Gingival crevicular fluid matrix metalloproteinase-8 levels following adjunctive use of meloxicam and initial phase of periodontal therapy. 103
Bulut S, et al. Immunohistochemical analysis of lymphocyte subpopulations in cyclosporin A-induced gingival overgrowth. 892
Bürklin T. see Kim T-S.
Burns WT. see Hokett SD.
Buser D. see King GN.
Butler RA. see Johnson RB.

C

Cadosch J. see Ruppert M.
Caffesse R. see Joly JC.
Caffesse R. see Porras R.
Caffesse RG. see Casati MZ.
Cairo F. see Nieri M.
Callan DP. see Yukna RA.
Camargo PM. see Carnio J.
Camargo PM. see Lekovic V.
Campbell A, et al. Tongue piercing: impact of time and barbell stem length on lingual gingival recession and tooth chipping. 289
Cardaropoli G, et al. Enamel matrix proteins in the treatment of deep intrabony defects. 501
Carnio J, et al. Histological evaluation of 4 cases of root coverage following a connective tissue graft combined with an enamel matrix derivative preparation. 1534
Carter CL. see Gemmell E.
Carvalho MD. see Nociti FH, Jr.
Casati MZ, et al. Enamel matrix derivative and bone healing after guided bone regeneration in dehiscence-type defects around implants. A histomorphometric study in dogs. 789
Case D. see Ruppert M.
Castro GL. see Borrajo JLL.
Caton JG. see Vandersall DC.
Cattabriga M. see Nieri M.
Caughman G. see Snyder HB.
Caúla AL. see Barboza EP.
Caúla F de O. see Barboza EP.
Cawston TE. see Irwin CR.
Çelebi N. see Kurtiş B.
Celebić A. see Zlatarić DK.
Çetiner D. see Kurtiş B.
Chai J-K. see Kim C-S.
Chai J-K. see Kim H-Y.
Charpentier J. see Geerts SO.
Chavers LS. see Gilbert GH.
Chen C. see Sirinian G.
Chen C-M. see Chen S-K.
Chen S-K, et al. Calculation of simplified single-root surface area from simulated x-ray projection. 906
Chen Y-T. see Hung S-L.
Chiantella GC. see Sculean A.
Ching MG. see Mowry JK.
Chiquito CS. see Romero BC.
Cho K-S. see Choi S-H.
Cho K-S. see Kim C-S.
Cho K-S. see Kim H-Y.
Cho S-C. see Froum S.
Choi B-K. see Kim C-S.
Choi S-H, et al. Effect of recombinant human bone morphogenetic protein-2/absorbable collagen sponge (rhBMP-2/ACS) on healing in 3-wall infrabony defects in dogs. 63
Choi S-H. see Kim C-S.
Choi S-H. see Kim H-Y.
Choi S-M. see Lee Y-M.

Index

Chung C-P. see Lee Y-M.
Ciaglia RN. see Crespi R.
Ciancio S. see Aguirre A.
Cirrincione C, et al. Lamina propria dendritic cells express activation markers and contact lymphocytes in chronic periodontitis. 45
Civitelli R. see Hildebolt CF.
Civitelli R. see Pilgram TK.
Cobb CM. see Mowry JK.
Cochran DL. see King GN.
Cohen S. see Hildebolt CF.
Cohen SC. see Pilgram TK.
Coletta RD. see Cotrim P.
Collins BH, III. see Couri CJ.
Colombo APV, et al. Subgingival microbiota of Brazilian subjects with untreated chronic periodontitis. 360
Coniglio J. see Aguirre A.
Conrads G. see Stelzel M.
Cooper RC. see Johnson RB.
Cope JB, et al. Distraction osteogenesis and histogenesis in beagle dogs: the effect of gradual mandibular osteodistraction on bone and gingiva. 271
Cornaglia AI. see Marchetti C.
Costa JE. see Cury VF.
Cotrim P, et al. Expression of matrix metallproteinases in cyclosporin-treated gingival fibroblasts is regulated by transforming growth factor (TGF)-β_1 autocrine stimulation. 1313
Couri CJ, et al. Medical grade calcium sulfate hemihydrate versus expanded polytetrafluoroethylene in the treatment of mandibular Class II furcations. 1352
Covani U. see Barone A.
Covani U. see Crespi R.
Crespi R, et al. Effects of CO_2 laser treatment on fibroblast attachment to root surfaces. A scanning electron microscopy analysis. 1308
Crespi R. see Barone A.
Crigger M. see Karadottir H.
Crigger M. see Suh Y-I.
Crohin C. see Merchant A.
Cruz R. see Yukna RA.
Cuenin MF. see Fowler EB.
Cuenin MF. see Herold RW.
Cuenin MF. see Hokett SD.
Cugini MA. see Dentino AR.
Cury VF, et al. A novel mutation of the cathepsin C gene in Papillon-Lefèvre syndrome. 307

D

Daghigh F, et al. Human gingival fibroblasts produce nitric oxide in response to proinflammatory cytokines. 392
Dai X. see Johnson RB.
Daly C. see Yeung SCH.
D'Archivio D. see Paolantonio M.
Davenport WD, Jr. see Soileau KM.
Dawson DV. see Couri CJ.
de Andrade CR. see Cotrim P.
Deboni MCZ. see Lavos-Valereto I de C.
d'Hoedt B. see Kreisler M.
del Aguila M. see Higashi MK.
de Lima AFM. see Joly JC.
De March AK. see Plombas M.
De Marco L. see Cury VF.
Demirhan B. see Bulut S.
De Mol P. see Geerts SO.
Dentino AR, et al. Six-month comparison of powered versus manual toothbrushing for safety and efficacy in the absence of professional instruction in mechanical plaque control. 770
De Paoli S. see Fugazzatto PA.
Derderian G. see Dentino AR.
De Sanctis M. see Zucchelli G.
de Souza RO. see Barboza EP.
De Toledo S. see Stefani CM.
Di Luccio A. see Paolantonio M.
Dirksen TR. see Fowler EB.
Dixon DR, et al. Clinical application of spiral tomography in anterior implant placement: case report. 1202
Doi T. see Ohno S.
Dolci M. see Paolantonio M.
Dombrowa S. see Meisel P.
Dotson M. see Hildebolt CF.
Dotson M. see Pilgram TK.
Douglass CW. see Merchant A.
Dowsett SA, et al. The applicability of half-mouth examination to periodontal disease assessment in untreated adult populations. 975
Dowsett SA, et al. The effect of shared genetic and environmental factors on periodontal disease parameters in untreated adult siblings in Guatemala. 1160
Duarte MEL. see Barboza EP.
Dunning DG. see Meinberg TA.
Duschner H. see Kreisler M.

E

Eber RM. see Oringer RJ.
Ebling W. see Stambaugh RV.
Eckert GJ. see Dowsett SA.
Egelberg J. see Karadottir H.
Eickholz P. see Kim T-S.
Eickholz P. see Windisch P.
Ekuni D. see Tomofuji T.
Elejalde LE. see Romero BC.
Elter JR, et al. Relationship of clinical depression to periodontal treatment outcome. 440
Engin AB. see Ozmeric N.

Index

Eren K. see Ozmeric N.
Eren KS, et al. Evaluation on non-surgical periodontal treatment using 2 time intervals. 1015
Ermis E. see Karabuda C.
Eskinazi E. see Yalcin F.
Esposito P. see Paolantonio M.
Evans GH. see Yukna RA.

F

Fanghaenel J. see Meisel P.
Fantasia JE. see Wu J.
Fardal Ø, et al. Patient perceptions of periodontal therapy completed in a periodontal practice. 1060
Farina A. see Marchetti C.
Faure GC. see Plombas M.
Feldman S. see Mayer TM.
Ficarra G. see Muzzi L.
Ficarra G. see Pini Prato G.
Fiehn W. see Kim T-S.
Figueiredo LC, et al. The relationship of oral malodor in patients with or without periodontal disease. 1338
Figueroa MG. see Borrajo JLL.
Fine DH, et al. Lactoferrin iron levels affect attachment of *Actinobacillus actinomycetemcomitans* to buccal epithelial cells. 616
Fine DH, et al. Lactoferrin iron levels are reduced in saliva of patients with localized aggressive periodontitis. 624
Fine DH. see Fu Y.
Fini M. see Torricelli P.
Fiorellini J. see Schrodi J.
Flores-de-Jacoby L. see Stelzel M.
Flugelman MY. see Katz J.
Folwaczny M, et al. Subgingival calculus detection with fluorescence induced by 655 nm in InGaAsP diode laser radiation. 597
Foroud T. see Dowsett SA.
Fowler EB, et al. Evaluation of pluronic polyols as carriers for grafting materials: study in rat calvaria defects. 191
Frentzen M, et al. Er:YAG laser scaling of diseased root surfaces. 524
Friedmann A, et al. Erratum. 352 (2001;72:1616-1623)
Friesen LR, et al. Controlled local delivery of tetracycline with polymer strips in the treatment of periodontitis. 13
Friesen LR. see Mowry JK.
Fritz PC. see Tenenbaum HC.
Froum S, et al. Histological comparison of healing extraction sockets implanted with bioactive glass or demineralized freeze-dried bone allograft: a pilot study. 94
Fu Y, et al. Fcγ receptor genes as risk markers for localized aggressive periodontitis in African-Americans. 517
Fugazzotto PA. Implant placement in maxillary first premolar fresh extraction sockets: description of technique and report of preliminary results. 669
Fugazzotto PA, et al. Sinus floor augmentation at the time of maxillary molar extraction: success and failure rates of 137 implants in function for up to 3 years. 39
Fujihara M. see Myoken Y.
Fujimoto R. see Ninomiya M.
Fujisawa S. see Tanaka S.
Fujise O, et al. Microbiological markers for prediction and assessment of treatment outcome following non-surgical periodontal therapy. 1253
Furgang D. see Fine DH.
Furudoi S. see Yoshii T.

G

Gabrielli MFR. see Boëck-Neto RJ.
Gansky SA. see Huynh QN.
Gault PC, et al. Tooth autotransplantation with double periodontal ligament stimulation to replace periodontally compromised teeth. 574
Gaynes BN. see Elter JR.
Geerts SO, et al. Systemic release of endotoxins induced by gentle mastication: association with periodontitis severity. 73
Geivelis M. see Wei P-C.
Gemmell E, et al. Genetic dependence of the specific T-cell cytokine response to *Porphyromonas gingivalis* in mice. 591
Gemmell E. see Sosroseno W.
Gera I. see Windisch P.
Giannobile WV. see Lee E-J.
Giannobile WV. see Oringer RJ.
Giannobile WV. see Perez LA.
Giardino R. see Torricelli P.
Giavaresi G. see Torricelli P.
Gilbert GH, et al. Predicting tooth loss during a population-based study: role of attachment level in the presence of other dental conditions. 1427
Gilbert JA. see Johnson RB.
Girard B. see Tenenbaum HC.
Giunta JL. Gingival cysts in the adult. 827
Gobert B. see Plombas M.
Goldberg A. see Katz J.
Goldstein M, et al. Coverage of previously carious roots is as predictable a procedure as coverage of intact roots. 1419
Golub LM. see Grenier D.
Golub LM. see Ramamurthy NS.
Gomez RS. see Cury VF.
Goodson M. see Schrodi J.
Goto T. see Shiraiwa M.
Götz H. see Kreisler M.
Goultschin J. see Goldstein M.

Index

Grahame R. see Straub AM.
Graner E. see Cotrim P.
Greenstein G. Full-mouth therapy versus individual quadrant root planing: a critical commentary. 797
Greenstein G. Periodontal diseases are curable. 950
Greenstein G, et al. A critical assessment of interleukin-1 (IL-1) genotyping when used in a genetic susceptibility test for severe chronic periodontitis. 231
Greenwald RA. see Ramamurthy NS.
Grenier D, et al. Inhibition of proteolytic, serpinolytic, and progelatinase-B activation activities of periodontopathogens by doxycycline and the non-antimicrobial chemical modified tetracycline derivatives. 79
Guelmann M. see Katz J.
Guindy J. see Ruppert M.
Gültekin E. see Kurtiş B.
Gunsolley JC. see Mayer TM.
Gürgan CA. see Eren KS.
Gürhan IS. see Tüter G.
Gutierrez J. see López NJ.

H

Haghighat K, et al. Squamous odontogenic tumor: diagnosis and management. 653
Hagstrom KE. see Jansson LE.
Hamachi T. see Fujise O.
Hamada S. see Kimura S.
Hamlet SM. see Yeung SCH.
Han S-B. see Lee Y-M.
Hanes P. see Hildebolt CF.
Harris RJ. Formation of a cyst-like area after a connective tissue graft for root coverage. 340
Harris RJ. Root coverage with connective tissue grafts: an evaluation of short- and long-term results. 1054
Hart TC. see Greenstein G.
Has R. see Yalcin F.
Hasegawa K. see Suda R.
Hasilik A. see Buchmann R.
Hauser J. see Hildebolt CF.
Hauser JF. see Pilgram TK.
Hausmann E. see Kim T-S.
Hawley CE. see Mayer TM.
Heft M. see Katz J.
Hermann JS. see King GN.
Herold RW, et al. The effects of varying degrees of allograft decalcification on cultured porcine osteoclast cells. 213
Heym R. see Folwaczny M.
Hickel R. see Folwaczny M.
Higashi MK, et al. The cost-effectiveness of interleukin-1 genetic testing for periodontal disease. 1474
Hildebolt CF, et al. The pattern of alveolar crest height change in healthy postmenopausal women after 3 years of hormone/estrogen replacement therapy. 1279
Hildebolt CF. see Pilgram TK.
Hinkson DW. see Couri CJ.
Hirano H. see Takayama S-I.
Hokett SD, et al. External root resorption following partial-thickness connective tissue graft placement: a case report. 334
Hokett SD. see Fowler EB.
Hokett SD. see Herold RW.
Holle R. see Kim T-S.
Hollender LG. see Dixon DR.
Holzhausen M, et al. Effect of selective cyclooxygenase-2 inhibition on the development of ligature-induced periodontitis in rats. 1030
Hong H-H, et al. Cytokine regulation of gingival fibroblast lysyl oxidase, collagen, and elastin. 145
Horie N. see Ide F.
Horiuchi H. see Mitsuta T.
Horiuchi M. see Tomofuji T.
Hormia M. see Oksanen J.
Hormia M. see Pakkala T.
Hou L-T. see Liu C-M.
Howell H. see Schrodi J.
Huh J-S. see Choi S-H.
Hujoel P. see Higashi MK.
Humphreys L. see Musa NJ.
Hung S-L., et al. Permeability of *Streptococcus mutans* and *Actinobacillus actinomycetemcomitans* through guided tissue regeneration membranes and their effects on attachment of periodontal ligament cells. 843
Huynh QN, et al. Specific fibronectin fragments as markers of periodontal disease status. 1101
Hyman JJ, et al. The role of cigarette smoking in the association between periodontal disease and coronary heart disease. 988

I

Iacono VJ. see Oringer RJ.
Ichinose S. see Sasaki KM.
Ide F, et al. Peripheral odontogenic keratocyst: a report of 2 cases. 1079
Ijuin C. see Ohno S.
Ikawa K, et al. Treatment of gingival overgrowth induced by manidipine administration. A case report. 115
Ikawa M. see Ikawa K.
Inoue K. see Fujise O.
Irwin CR, et al. The role of soluble interleukin (IL)-6 receptor in mediating the effects of IL-6 on matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1 expression by gingival fibroblasts. 741

Index

Ishikawa I. see Sasaki KM.
Ishikawa I. see Shirakata Y.
Ishimoto T. see Ninomiya M.
Isik G. see Yalcin F.
Issever H. see Yalcin F.
Ito K. see Ohyama M.
Ito K. see Takane M.
Iwakura M. see Ikawa K.
Iwano Y. see Takane M.
Iwasaki H. see Takane M.

J

Jakse N. see Wimmer G.
Janda M. see Wimmer G.
Jansen B. see Kreisler M.
Jansson LE, et al. Relationship between compliance and periodontal treatment outcome in smokers. 602
Jeng J-Y. see Chen S-K.
Jeong SH. see Lee J-M.
Jhon G-J. see Kim H-Y.
Johannessen AC. see Fardal O.
Johns LP. see Novak MJ.
Johnson R. see Derderian AR.
Johnson RB, et al. Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. 383
Joly JC, et al. Clinical and radiographic evaluation of periodontal intrabony defects treated with a guided tissue regeneration. A pilot study. 353
Jones JCR. see PakkalaT.
Joshipura K. see Merchant A.

K

Kalmar JR. see Haghighat K.
Kalpidis CDR, et al. Treatment of intrabony periodontal defects with enamel matrix derivative: a literature review. 1360
Kamata N. see Ninomiya M.
Kapila S. see Huynh QN.
Kapila YL. see Huynh QN.
Kaplan R. see Wu J.
Karabuda C, et al. Comparison of 2 retentive systems for implant-supported overdentures: soft tissue management and evaluation of patient satisfaction. 1067
Karadottir H, et al. Pain experienced by patients during periodontal maintenance treatment. 536
Kardaris E. see Pilgram TK.
Kardaris EE. see Hildebolt CF.
Karimbux N. see Schrodi J.
Karpinia K. see Walker C.
Kataoka M. see Shimizu Y.
Kato Y. see Momose M.
Katz J, et al. Acute streptococcal infection of the gingiva, lower lip, and pharnyx–A case report. 1392
Katz J, et al. Association between periodontal pockets and elevated cholesterol and low density lipoprotein cholesterol levels. 494
Kemoun P. see Armand S.
Kenney EB. see Carnio J.
Kenney EB. see Lekovic V.
Kerdvongbundit V, et al. Prevalence and severity of periodontal disease at mandibular molar teeth in smokers with regular oral hygiene habits. 735
Kido J. see Ninomiya M.
Kido J. see Shimizu Y.
Kikuchi S. see Shirakata Y.
Killoy WJ. see Friesen LR.
Kim C-K. see Choi S-H.
Kim C-K. see Kim H-Y.
Kim C-K. see Kim C-S.
Kim C-S, et al. The effect of recombinant human bone morphogenetic protein-4 on the osteoblastic differentiation of mouse calvarial cells affected by *Porphyromonas gingivalis*. 1126
Kim C-S. see Kim H-Y.
Kim H-Y, et al. The effect of safflower seed extract on periodontal healing of 1-wall intrabony defects in beagle dogs. 1457
Kim JY. see Lee Y-M.
Kim T-S, et al. Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. II. A case series of infrabony defects. 450
Kim T-S, et al. Pharmacokinetic profile of a locally administered doxycycline gel in crevicular fluid, blood, and saliva. 1285
Kimura S, et al. Periodontopathic bacterial infection in childhood. 20
King D. see Derderian AR.
King GN, et al. Factors that modulate the effects of bone morphogenetic protein-induced periodontal regeneration: a critical review. 925
King GN, et al. Influence of the size of the microgap on crestal bone levels in non-submerged dental implants: a radiographic study in the canine mandible. 1111
Kinoshita A. see Shirakata Y.
Kirsch A. see Armand S.
Klein F. see Windisch P.
Kleinfelder JW, et al. Maximal bite force in patients with reduced periodontal tissue support with and without splinting. 1184
Knuuttila MLE. see Nurmenniemi PK.
Kocher TH. see Meisel P.
Koh-Kunst G. see Blumenthal NM.
Kohnen W. see Kreisler M.

Index

Koller D. see Dowsett SA.
Komori T. see Yoshii T.
Korostoff JM. see Fu Y.
Kowolik MJ. see Dowsett SA.
Koyano K. see Shiraiwa M.
Krause LS. see Friesen LR
Krauser JT. see Yukna RA.
Kreisler M, et al. Bacterial effect of the Er:YAG laser on dental implant surfaces: an in vitro study. 1292
Ku Y. see Lee Y-M.
Kubar A. see Saygun I.
Kumar V. see Musa NJ.
Kurtiş B. see Saygun I.
Kurtiş B. see Tüter G.
Kurtiş B, et al. Effect of polylactide/glycolide (PLGA) membranes loaded with metronidazole on periodontal regeneration following guided tissue regeneration in dogs. 694
Kwon HK. see Lee J-M.
Kyo T. see Myoken Y.

L

Lai C-H. see Suda R.
Lan W-H. see Liu C-M.
Lange DE. see Buchmann R.
Lasho DJ. see Scheyer ET.
Laukkanen P. see Nurmenniemi PK.
Laurell L. see Wei P-C.
Lavos-Valereto I de C, et al. Evaluation of the titanium Ti-6Al-7Nb alloy with and without plasma-sprayed hydroxyapatite coating on growth and viability of cultured osteoblast-like cells. 900
Lazarus R. see Yeung SCH.
Leadbetter N. see Irwin CR.
Lee E-J, et al. Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. 779
Lee H-M. see Grenier D.
Lee J-M, et al. Comparison between patient expectation before and satisfaction after periodontal surgical treatment.1037
Lee Y-K. see Lee Y-M.
Lee Y-M et al. A 3-year longitudinal evaluation of subpedicle free connective tissue graft for gingival recession coverage. 1412
Legrand V. see Geerts SO.
Lekovic V, et al. Comparison of platelet-rich plasma, bovine porous bone mineral, and guided tissue regeneration versus platelet-rich plasma and bovine porous bone mineral in the treatment of intrabony defects: a reentry study. 198
Lenoir L. see Karadottir H.
Leonhardt ÅS. see Cardaropoli G.
Lewis J. see Snyder HB.
Lia RCC. see Boëck-Neto RJ.
Lima V. see Alencar VBM.
Lin MT. see Yuan K.
Lin Y-W. see Hung S-L.
Linden GJ. see Fardal O.
Ling L-J. see Hung S-L.
Lingen MW. see Wei P-C.
Lisanti L. see Paolantonio M.
Liu C-M, et al. In vitro effect of laser irradiation on cementum-bound endotoxin isolated from periodontally diseased roots. 1260
Liu Y. see Ramamurthy NS.
López NJ, et al. Periodontal therapy may reduce the risk of preterm low birth weight in women with periodontal disease: a randomized controlled trial. 911
Loures CG. see Cury V.
Lozada J. see Proussaefs PT.
Ludwig K. see Kleinfelder JW.
Lundgren T. see Suh Y-I.
Luoto H. see Azmak N.
Luoto H. see Buduneli N.

M

Machtei EE. see Oettinger-Barak O.
Machtei EE. see Peled M.
MacNeill SR. see Mowry JK.
Maeda K. see Fujise O.
Maeno M. see Ohshima M.
Maeno M. see Ohyama M.
Magnani C. see Pini Prato G.
Mailhot J. see Herold RW.
Maisch B. see Stelzel M.
Malthaner SC, et al. Investigation of the association between angiographically defined coronary artery disease and periodontal disease. 1169
Mamlider A. see Schwartz-Arad D.
Marcantonio E. see Boëck-Neto RJ.
Marcantonio E, Jr. see Boëck-Neto RJ
Marcantonio E, Jr. see Figueiredo LC.
Marcantonio E, Jr. see Holzhausen M.
Marcantonio RAC. see Figueiredo LC.
Marchetti C, et al. Microscopic, immunocytochemical, and ultrastructural properties of peri-implant mucosa in humans. 555
Maretzki B. see Friedmann A.
Marinello C. see Kreisler M.
Mariotti AJ. see Haghighat K.
Marks MH. see Ogihara S.
Marks P. see Derderian AR.
Marques MM. see Lavos-Valereto I de C.
Martelli-Junior H. see Cotrim P.
Martin M. see Yukna RA.
Marx DB. see Thylin MR.
Mayer TM, et al. The single-tooth implant: a viable alternative for the single-tooth replacement. 687
Mayrand D. see Grenier D.

Index

Maze GI. see Couri CJ.
McCauley LK, et al. Mediators of periodontal osseous destruction and remodeling: principles and implications for diagnosis and therapy. 1377
McConnell JC. see Thylin MR.
McMahan CA. see Malthaner SC.
McNamara T. see Grenier D.
McPherson JC, III. see Fowler EB.
Mealey BL, et al. Primary extranodal malignant lymphoma affecting the periodontium. 937
Mehl A. see Folwaczny M.
Meinberg TA, et al. Comparison of conventional periodontal maintenance versus scaling and root planing with subgingival minocycline. 167
Meir H. see Tal H.
Meisel P, et al. Smoking and polymorphisms of the interleukin-1 gene cluster (IL-1α, IL-1β, and IL-1RN) in patients with periodontal disease. 27
Mellonig JT. see Scheyer ET.
Mellonig JT. see Velasquez-Plata D.
Mendes MCS. see Colombo APV.
Meraw SJ. see Lee E-J.
Merchant A, et al. Oral hygiene practices and periodontitis in health care professionals. 531
Mikami Y. see Myoken Y.
Miller N. see Plombas M.
Miller RC. see Novak MJ.
Mills M. see Malthaner SC.
Miranda D. see Blumenthal NM.
Misch CE. see Oh Y-J.
Mitsuta T, et al. Effects of topical administration of clodronate on alveolar bone resorption in rats with experimental periodontitis. 479
Miura M. see Fujise O.
Momose M, et al. Vascular endothelial growth factor and transforming growth factor-α and -β_1 are released from human cultured gingival epithelial sheets. 748
Mongiorgi R. see Prati C.
Montebugnoli L. see Zucchelli G.
Moon I-S. see Kim H-Y.
Moore A. see Campbell A.
Moore S. see Malthaner SC.
Moosdorf R. see Stelzel M.
Moray G. see Bulut S.
Morgan R. see Dixon DR.
Morisaki I. see Kimura S.
Morita M. see Tomofuji T.
Moses O. see Tal H.
Mota LF. see Joly JC.
Mowry JK, et al. Root surface area of the mandibular cuspid and biscuspids. 1095
Muckerman J. see Hildebolt CF.
Muirhead DE. see Cope JB.
Murakami S. see Takayama S-I.
Murakami Y. see Tanaka S.
Muraoka S. see Yoshii T.
Murata M. see Momose M.
Musa NJ, et al. Oral pemphigoid masquerading as necrotizing ulcerative gingivitis in a child. 657
Muzzi L, et al. Langerhans' cell histiocytosis diagnosed through periodontal lesions: a case report. 1528
Muzzi L. see Nieri M.
Myers G. see Stambaugh RV.
Myoken Y, et al. Itraconazole prophylaxis for invasive gingival aspergillosis in neutropenic patients with acute leukemia. 33
Myrillas TT. see Irwin CR.

N

Nagata T. see Ninomiya M.
Nagata T. see Shimizu Y.
Nagasaki M. see Tanaka S.
Nagayama M. see Ninomiya M.
Nair R. see Bazile A.
Nakkula RJ. see Brayton JJ.
Narendran S. see Porras R.
Nasatzky E. see Goldstein M.
Nassar PO. see Holzhausen M.
Neiders ME. see Musa NJ.
Nejat R. see Oringer RJ.
Nieri M, et al. The prognostic value of several periodontal factors measured as radiographic bone level variation: a 10-year retrospective multilevel analysis of treated and maintained periodontal patients. 1485
Nemcovsky C. see Tal H.
Nemcovsky CE, et al. Comparative study of buccal dehiscence defects in immediate, delayed, and late maxillary implant placement with collagen membranes: clinical healing between placement and second-stage surgery. 754
Neto JBC. see Nociti FH, Jr.
Neto LG. see Barboza EP.
Niagro F. see Herold RW.
Nick TG. see Johnson RB.
Ninomiya M, et al. Application of enamel matrix derivative in autotransplantation of an impacted maxillary premolar: a case report. 346
Nociti FH, Jr., et al. Intermittent cigarette smoke inhalation may affect bone volume around titanium implants in rats. 982
Nociti FH, Jr. see Casati MZ.
Nociti FH, Jr. see Stefani CM.
Nogueira Filho GR. see Stefani CM.
Nohutcu RM. see McCauley LK.
Novak MJ, et al. Adjunctive benefits of subantimicrobial dose doxycycline in the management of severe, generalized, chronic periodontitis. 762
Nunn ME. see Buchmann R.

Index

Nurmenniemi PK, et al. Macrophage subpopulations in gingival overgrowth induced by nifedipine and immunosuppressive medication. 1323
Nys M. see Geerts SO.

O

Oates TW, Jr. see Malthaner SC.
Ocak O. see Kurtiş B.
Oda S. see Shirakata Y.
Oettinger-Barak O, et al. Periodontal changes in liver cirrhosis and post-transplantation patients. II: radiographic findings. 313
Ogihara S, et al. Alveolar bone upper growth in furcation area using a combined orthodontic-regenerative therapy: a case report. 1522
Ogiwara T. see Tanaka S.
Oh T-J, et al. The causes of early implant bone loss: myth or science? 322
Oh T-J. see Lee E-J.
Ohno S, et al. Expression and activity of hyaluronidase in human periodontal ligament fibroblasts. 1331
Ohshima M, et al. Effects of serum on hepatocyte growth factor secretion and activation by periodontal ligament and gingival fibroblasts. 473
Ohyama M, et al. Effect of enamel matrix derivative on the differentiation of C2C12 cells. 543
Ojha J. see Thylin MR.
Okada H. see Takayama S-I.
Oksanen J, et al. An organotypic in vitro model that mimics the dento-epithelial junction. 86
Oksanen J. see Pakkala T.
Okuda K. see Momose M.
Onan U. see Yalcin F.
O'Neal RB. see Dixon DR.
Ooshima T. see Kimura S.
Orjansen MD. see Mowry JK.
Oringer RJ, et al. Effect of locally delivered minocycline microspheres on markers of bone resorption. 835
Orlando L. see Cirrincione C.
Otsuka K. see Ohshima M.
Otsuka K. see Ohyama M.
Özcan G. see Kurtiş B.
Özcan G. see Saygun I.
Özdemir A. see Saygun I.
Özdemir T. see Karabuda C.
Ozmeric N, et al. Level of neopterin, a marker of immune cell activation in gingival crevicular fluid, saliva, and urine in patients with aggressive periodontitis. 720

P

Pakkala T, et al. Function of laminins and laminin-binding integrins in gingival epithelial cell adhesion. 709
Palioto DB. see Joly JC.
Pankuweit S. see Stelzel M.
Paolantonio M. Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. 158
Paolantonio M, et al. Subpedicle acellular dermal matrix graft and autogenous connective tissue graft in the treatment of gingival recessions: a comparative 1-year clinical study. 1299
Paolantonio M. Treatment of gingival recessions by combined periodontal regenerative technique, guided tissue regeneration, and subpedicle connective tissue graft. A comparative clinical study. 53
Park J-B. see Kim C-S.
Parsell DE. see Johnson RB.
Pashley DH. see Herold RW.
Peacock ME. see Fowler EB.
Peacock ME. see Herold RW.
Peacock ME. see Hokett SD.
Pei S-C. see Liu C-M.
Peled M, et al. Osseous reconstruction using a membrane barrier following marginal mandibulectomy: an animal pilot study. 1451
Peled M. see Oettinger-Barak O.
Pemble CW, III. see Mealey BL.
Perez LA, et al. Treatment of periodontal disease in a patient with Ehlers-Danlos syndrome. A case report and literature review. 564
Perinetti G. see Paolantonio M.
Pernu HE. see Nurmenniemi PK
Perti C. see Wimmer G.
Pilgram TK, et al. Relationships between clinical attachment level and spine and hip bone mineral density: data from healthy postmenopausal women. 298
Pilgram TK. see Hildebolt CF.
Pimpinelli N. see Cirrincione C.
Pini Prato G, et al. Viral etiology of gingival recession. A case report. 110
Pini Prato GP. see Muzzi L.
Pini Prato GP. see Nieri M.
Pitaru S. see Friedmann A.
Pitiphat W. see Merchant A.
Plamondon P. see Grenier D.
Plombas M, et al. Isotypic antibody response to plaque anaerobes in periodontal disease. 1507
Polansky R. see Wimmer G.
Porras R, et al. Clinical response to 2 different therapeutic regimens to treat peri-implant mucositis. 1118
Prati C, et al. Dentin morphology and permeability after brushing with different toothpastes in the presence and absence of smear layer. 183

Index

Proussaefs PT, et al. A method to assess the clinical outcome of ridge augmentation procedures. 302

R

Rachmiel A. see Peled M.
Ramamurthy NS, et al. Inhibition of matrix metalloproteinase-mediated periodontal bone loss in rats: a comparison of 6 chemically modified tetracyclines. 726
Ramamurthy NS. see Grenier D.
Rapley JW. see Mowry JK.
Ratka-Krüger P. see Kim T-S.
Recio L. see Schrodi J.
Reckling RR. see Thylin MR.
Reich E. see Windisch P.
Reid BC. see Hyman JJ.
Reinhardt RA. see Meinberg TA.
Reinhardt RA. see Thylin MR.
Renggli HH. see Kim T-S.
Reynolds MA. see Rosen PS.
Rhyu I-C. see Lee Y-M.
Ribeiro RA. see Alencar VBM.
Rifkin BR. see Ramamurthy NS.
Riggs M. see Karadottir H.
Riggs M. see Suh Y-I.
Rimondini L. see Torricelli P.
Roberts FA. see Dixon DR.
Rocha FAC. see Alencar VBM.
Rodriguez-Nuñez I. see Borrajo JLL.
Rogers RS III. see Ayangco L.
Rohrer M. see Froum S.
Romagnoli P. see Cirrincione C.
Romanos GE. see Crespi R.
Romero BC, et al. Relationship between periodontal disease in pregnant women and the nutritional condition of their newborns. 1177
Romanos GE. see Barone A.
Rompen EH. see Geerts SO.
Rosalém W, Jr. see Colombo APV.
Rosen PS, et al. A retrospective case series comparing the use of demineralized freeze-dried bone allograft and freeze-dried bone allograft combined with enamel matrix derivative for the treatment of advanced osseous lesions. 942
Rosenberg E. see Froum S.
Rosetti EP. see Figueiredo LC.
Rossa C, Jr. see Holzhausen M.
Rotundo R. see Pini Prato G.
Rotundo R. see Nieri M.
Ruben MP. see Kalpidis CDP.
Rudolph M. see Katz J.
Ruppert M, et al. In vivo ultrasonic debridement forces in bicuspids: a pilot study. 418
Ruskin J. see Katz J.
Ryder MI. An update on HIV and periodontal disease. 1071

S

Saad R. see Malthaner SC.
Sabatini R. see Malthaner SC.
Sabuncu H. see Yalcin F.
Sahin G. see Ozmeric N.
Şahin S. see Saygun I.
Sakamoto S. see Ikawa K.
Sakamoto T. see Tomofuji T.
Sallum AW. see Casati MZ.
Sallum AW. see Nociti FH, Jr.
Sallum AW. see Stefani CM.
Sallum EA. see Casati MZ.
Sallum EA. see Nociti FH, Jr.
Sallum EA. see Stefani CM.
Salvador SL. see Figueiredo LC.
Samchukov ML. see Cope JB.
Samet N. see Schwartz-Arad D.
Sano N. see Yoshii T.
Sarda MNK. see Plombas M.
Sasaki KM, et al. Scanning electron microscopy and Fourier transformed infrared spectroscopy analysis of bone removal using Er:YAG and CO_2 lasers. 643
Sasaki Y. see Kimura S.
Sauk JJ. see Cotrim P.
Sawaf H. see Meisel P.
Saygun I, et al. Detection of human viruses in patients with chronic periodontitis and the relationship between viruses and clinical parameters. 1437
Schacher B. see Kim T-S.
Schaecken MT. see Kim T-S.
Schenk RK. see Carnio J.
Scheyer ET, et al. A clinical comparison of a bovine-derived xenograft used alone and in combination with enamel matrix derivative for the treatment of periodontal osseous defects in humans. 423
Scheyer ET. see Velasquez-Plata D.
Schmid MJ. see Thylin MR.
Schoolfield JD. see King GN.
Schrodi J, et al. The effect of aspirin on the periodontal parameter bleeding on probing. 871
Schuster G. see Snyder HB.
Schwartz Z. see Goldstein M.
Schwartz-Arad D, et al. Smoking and complications of endosseous dental implants. 153
Sculean A, et al. Clinical evaluation of an enamel matrix protein derivative combined with a bioactive glass for the treatment of intrabony periodontal defects in humans. 401
Sculean A. see Windisch P.
Scully C. see Straub AM.
Selvig KA, et al. Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. 1020

Index

Seol Y-J. see Lee Y-M.
Serdar M. see Tüter G.
Serdar MA. see Tüter G.
Sergent C. see Armand S.
Seto H. see Shimizu Y.
Seto K. see Tanaka S.
Seymour GJ. see Gemmell E.
Seymour GJ. see Sosroseno W.
Seymour GJ. see Yeung SCH.
Shapira L, et al. Effects of *Porphyromonas gingivalis* on the central nervous system: activation of glial cells and exacerbation of experimental autoimmune encephalomyelitis. 511
Sharawy M. see Fowler EB.
Shelemay A. see Tenenbaum HC.
Shelton BJ. see Gilbert GH.
Sheridan PJ. see Ayangco L.
Sherson W. see Yeung SCH.
Shibli JA. see Boëck-Neto RJ.
Shimauchi H. see Ikawa K.
Shimizu N. see Takane M.
Shimizu T. see Sirinian G.
Shimizu Y, et al. Nifedipine induces gingival epithelial hyperplasia in rats through inhibition of apoptosis. 861
Shimoyama T. see Ide F.
Shinoda H. see Mitsuta T.
Shinohara C. see Momose M.
Shiraiwa M, et al. A study of the initial attachment and subsequent behavior of rat oral epithelial cells cultured on titanium. 852
Shirakata Y, et al. Histocompatible healing of periodontal defects after application of an injectable calcium phosphate bone cement. A preliminary study in dogs. 1043
Shoji M. see Tanaka S.
Shrout MK. see Hildebolt CF.
Shyu Y-C. see Liu C-M.
Siegel BP. see Bazile A.
Siegemund A. see Meisel P.
Sigurdsson T. see Karadottir H.
Sigurdsson T. see Suh Y-I.
Sirinian G, et al. Periodontopathic bacteria in young healthy subjects of different ethnic backgrounds in Los Angeles. 283
Sixou M. see Plombas M.
Slots J. see Sirinian G.
Smith PC. see López NJ.
Snyder HB, et al. Nicotine modulation of in vitro human gingival fibroblast β_1 integrin expression. 505
Sohn HY. see Lee J-M.
Soileau KM, et al. Evaluation of frozen subepithelial connective tissue grafts to increase the zone of attached gingiva. Report of 5 cases. 220
Song KB. see Lee J-M.
Soory M. see Tilakaratne A.
Sorensen RG. see Blumenthal NM.
Sorensen RG. see Choi S-H.
Sorensen RG. see Selvig KA.
Sorsa T. see Azmak N.
Sorsa T. see Buduneli N.
Sorsa T. see Grenier D.
Sosroseno W, et al. The role of CD4+ cells in vivo on the induction of the immune response to *Porphyromonas gingivalis* in mice. 1133
Souto R. see Colombo APV.
Soydinc M. see Yalcin F.
Spolidório DMP. see Holzhausen M.
Spolidório LC. see Holzhausen M.
Stambaugh K. see Stambaugh RV.
Stambaugh RV, et al. Endoscopic visualization of the submarginal gingiva dental sulcus and tooth root surfaces. 374
Stefani CM, et al. Influence of nicotine administration on different implant surfaces: a histometric study in rabbits. 206
Stelzel M, et al. Detection of *Porphyromonas gingivalis* DNA in aortic tissue by PCR. 868
Stephens J. see Campbell A.
Stewart BA. see Johnson RB.
Straub AM, et al. Severe periodontitis in Marfan's syndrome: a case report. 823
Streckfus CF. see Johnson RB.
Streitzel FP. see Friedmann A.
Su C-Y. see Hung S-L.
Suda R, et al. *Eikenella corrodens* in subgingival plaque: relationship to age and periodontal condition. 886
Sugano N. see Takane M.
Sugar C. see Sirinian G.
Sugata T. see Myoken Y.
Suh Y-I, et al. Probing bone level measurements for determination of the depths of Class II furcation defects. 637
Suryono. see Ninomiya M.
Suzuki N. see Ohyama M.
Swiec GD. see Hokett SD.

T

Tafolla E. see Huynh QN.
Takacs V. see Malthaner SC.
Takane M, et al. New biomarker evidence of oxidative DNA damage in whole saliva from clinically healthy and periodontally diseased individuals. 551
Takayama S-I, et al. Effects of basic fibroblast growth factor on human gingival epithelial cells. 1467
Takiguchi M. see Kimura S.
Tal H, et al. Root coverage of advanced gingival recession: a comparative study between acellular dermal matrix allograft and subepithelial connective tissue grafts. 1405

Index

Tanaka S, et al. Frequency of reactivity for *Porphyromonas gingivalis* and *Prevotella* spp. in supra- and subgingival plaques, and periodontal clinical parameters according to subject age. 877
Tanaka T. see Shiraiwa M.
Tanne K. see Ohno S.
Tapia JL. see Aguirre A.
Tarnow D. see Froum S.
Tatakis DN. see Campbell A.
Tatakis DN. see Proussaefs PT.
Taylor BA. see Yeung SCH.
Teles RP. see Colombo APV.
Tenenbaum HC, et al. Bisphosphonates and periodontics: potential applications for regulation of bone mass in the periodontium and other therapeutic/diagnostic uses. 813
Teronen O. see Grenier D.
Thomson WM, et al. Partial- or full-mouth approaches to assessing the prevalence of and risk factors for periodontal disease in young adults. 1010
Thornton RD. see Daghigh F.
Thylin MR, et al. Effects of simvastatin gels on murine calvarial bone. 1141
Tilakaratne A, et al. The modulation of androgen metabolism by estradiol, minocycline, and indomethacin in a cell culture model. 585
Tokunaga T. see Ohshima M.
Tomofuji T, et al. The effect of duration and force of mechanical toothbrushing stimulation on proliferative activity of the junctional epithelium. 1149
Tonetti MS. see Straub AM.
Torreira MG. see Borrajo JLL.
Torres MC. see Colombo APV.
Torricelli P, et al. Characterization of bone defect repair in young and aged rat femur induced by xenogenic demineralized bone matrix. 1003
Tosun T. see Karabuda C.
Tóth V. see Windisch P.
Trackman PC. see Hong H-H.
Traynor P. see Irwin CR.
Trejo PM. see Porras R.
Tsuchioka H. see Shirakata Y.
Tunder GS. see Mealey BL.
Turner G. see Ramamurthy NS.
Tüter G, et al. Effects of phase I periodontal treatment on gingival crevicular fluid levels of matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1. 487
Tüter G, et al. Evaluation of matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1 levels in gingival fibroblasts of cyclosporin A-treated patients. 1273

U

Unsal B. see Kurtiş B.
Uraz A. see Ozmeric N.
Uzeda M. see Colombo APV.

V

Valdrè G. see Prati C.
Valencia G. see Proussaefs PT.
Valentić-Peruzović M. see Zlatarić DK.
Vandersall DC, et al. Helmut A. Zander, DDS, MS: publications and abstracts (1938-1983). 1216
Van Dyke TE. see Buchmann R.
Vannier MW. see Hildebolt CF.
Van Swol RL. see Derderian AR.
Vardar S. see Buduneli N.
Varela LG. see Borrajo JLL.
Vasilic N. see Lekovic V.
Velasquez-Plata D, et al. Clinical comparison of an enamel matrix derivative used alone or in combination with a bovine-derived xenograft for the treatment of periodontal osseous defects in humans. 433 Errata 684
Velasquez-Plata D. see Scheyer ET.
Veenstra DL. see Higashi MK.
Venturi L. see Prati C.
Vernillo AT. see Ramamurthy NS.
Virtanen I. see Pakkala T.
Vogt S. see Stelzel M.

W

Walker C, et al. Rationale for use of antibiotics in periodontics. 1188
Walters JD. see Brayton JJ.
Wang H-L. see Lee E-J.
Wang H-L. see Oh T-J.
Wang H-L. see Oringer RJ.
Wang H-L. see Perez LA.
Wang S. see Huynh QN.
Wang Y-H. see Hung S-H.
Warocquier-Clerout R. see Gault PC.
Warren P. see Derderian AR.
Watanabe T. see Tomofuji T.
Wei P-C, et al. Acellular dermal matrix allografts to achieve increased attached gingiva. Part 2. A histological comparative study. 257 Errata 684
Weinlaender M. see Lekovic V.
White BA. see Elter JR.
White C, Jr., et al. Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. 1517.
Wieselmann-Penkner K. see Wimmer G.
Wikesjö UME. see Blumenthal NM.

Index

Wikesjö UME. see Choi S-H.
Wikesjö UME. see Kerdvongbundit V.
Wikesjö UME. see Selvig KA.
Williams E. see Campbell A.
Williams KB. see Friesen LR.
Williams SM. see Thomson WM.
Wilson ME. see Fu Y.
Wimmer G, et al. Coping with stress: its influence on periodontal disease. 1343
Windisch P, et al. Comparison of clinical, radiographic, and histometric measurements following treatment with guided tissue regeneration or enamel matrix proteins in human periodontal defects. 409
Wing L-YC. see Yuan K.
Winn DM. see Hyman JJ.
Wolf MA. see Derderian AR.
Wozney JM. see Blumenthal NM.
Wozney JM. see Choi S-H.
Wozney JM. see Selvig KA.
Wu J, et al. Oral manifestations of acute myelomonocytic leukemia: a case report and review of the classification of leukemias. 664

X

Xu J. see Ramamurthy NS.

Y

Yaffe A. see Binderman I.
Yalcin F, et al. The effect of sociocultural status on periodontal conditions in pregnancy. 178
Yalcin F, et al. The effects of periodontal therapy on intracrevicular prostaglandin E_2 concentrations and clinical parameters in pregnancy. 173
Yalim M. see Tüter G.
Yamada S. see Sasaki KM.
Yamaguchi Y. see Ohyama M.
Yamamoto T. see Tomofuji T.
Yamazaki K. see Momose M.
Yamazaki Y. see Ohshima M.
Yang H-W. see Suda R.
Yang Q. see Brayton JJ.
Yapar M. see Saygun I.
Yeung SCH, et al. IgG subclass specific antibody response to periodontopathic organisms in HIV-positive patients. 1444
Yokoyama-Crothers N. see Hildebolt CF.
Yokosuka R. see Ohshima M.
Yoneno K. see Ohno S.
Yoon J. see Oh T-J.
Yoshida J. see Takayama S-I.
Yoshie H. see Momose M.
Yoshii T, et al. Large cell carcinoma of the lung metastatic to the mandibular gingiva. 571
Yoshinari M. see Shiraiwa M.
Yoshino T. see Sasaki KM.
Yuan K, et al. Pathogenic role of angiogenic factors in pyogenic granulomas in pregnancy are modulated by female sex hormones. 701
Yukna RA, et al. Thirty-six month follow-up of 25 patients treated with combination anorganic bovine-derived hydroxyapatite matrix (ABM)/cell-binding peptide (P-15) bone replacement grafts in human infrabony defects. I. Clinical findings. 123

Z

Zappa U. see Ruppert M.
Zhao ZZ. see Yeung SCH.
Zlataric DK, et al. The effect of removable partial dentures on periodontal health of abutment and non-abutment teeth. 137
Zohar R. see Tal H.
Zohar R. see Tenenbaum HC.
Zucchelli G, et al. Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. 3

Index

JOURNAL OF PERIODONTOLOGY

Subject Index to Volume 73, 2002, numbers 1 through 12

A

ABSCESS, MILIARY
Pyostomatitis vegetans as an early sign of reactivation of Crohn's disease: a case report. Ayangco L, et al. 1512

ABUTMENTS
The effect of removable partial dentures on periodontal health of abutment and non-abutment teeth. Zlataric DK, et al. 137

ACTINOBACILLUS ACTINOMYCETEMCOMITANS
Lactoferrin iron levels affect attachment of *Actinobacillus actinomycetemcomitans* to buccal epithelial cells. Fine DH, et al. 616
Lactoferrin iron levels are reduced in saliva of patients with localized aggressive periodontitis. Fine DH, et al. 624
Microbiological markers for prediction of assessment of treatment outcome following non-surgical periodontal therapy. Fujise O, et al. 1253
Permeability of *Streptococcus mutans* and *Actinobacillus actinomycetemcomitans* through guided tissue regeneration membranes and their effects on attachment of periodontal ligament cells. Hung S-L, et al. 843

AGE, GESTATIONAL
Relationship between periodontal disease in pregnant women and the nutritional condition of their newsborns. Romero BC, et al. 1177

AGING
Eikenella corrodens in subgingival plaque: relationship to age and periodontal condition. Suda R, et al. 886
Frequency of reactivity for *Porphyromonas gingivalis* and *Prevotella* spp. in supra- and subgingival plaques, and periodontal clinical parameters according to subject age. Tanaka S, et al. 877

AGING/physiology
Characterization of bone defect repair in young and aged rat femur induced by xenogenic demineralized bone matrix. Torricelli P, et al. 1003

AIDS
An update on HIV and periodontal disease. Ryder MI. 1071

ALLELES
A critical assessment of interleukin-1 (IL-1) genotyping when used in a genetic susceptibility test for severe chronic periodontitis. Greenstein G, et al. 231

ALVEOLAR BONE
Effect of recombinant human bone morphogenetic protein-2/absorbable collagen sponge (rhBMP-2/ACS) on healing in 3-wall infrabony defects in dogs. Choi S-H, et al. 63

ALVEOLAR BONE LOSS/etiology
Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. Johnson RB, et al. 383
Influence of the size of the microgap on crestal bone levels in non-submerged dental implants: a radiographic study in the canine mandible. King GN, et al. 1111
Periodontal changes in liver cirrhosis and post-transplantation patients. II: radiographic findings. Oettinger-Barak O, et al. 313
Strain relaxation of fibroblasts in the marginal periodontium is the common trigger for alveolar bone resorption: a novel hypothesis. Binderman I, et al. 1210

ALVEOLAR BONE LOSS/prevention and control
Effect of selective cyclooxygenase-2 inhibition on the development of ligature-induced periodontitis in rats. Holzhausen M, et al. 1030
Effects of topical administration of clodronate on alveolar bone resorption in rats with experimental periodontitis. Mitsuta T, et al. 479
Histological comparison of healing extraction sockets implanted with bioactive glass or demineralized freeze-dried bone allograft: a pilot study. Froum S, et al. 94

ALVEOLAR BONE LOSS/therapy
Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020
The pattern of alveolar crest height change in healthy postmenopausal women after 3 years of hormone/estrogen replacement therapy. Hildebolt CF, et al. 1279

ALVEOLAR RIDGE AUGMENTATION
Bone regeneration of localized chronic alveolar defects utilizing cell binding peptide associated with anorganic bovine-derived bone mineral: a clinical and histological study. Barboza EP, et al. 1153

ALVEOLAR RIDGE AUGMENTATION/methods
A method to assess the clinical outcome of ridge augmentation procedures. Proussaefs PT, et al. 302
Sinus floor augmentation at the time of maxillary molar extraction: success and failure rates of

Index

137 implants in function for up to 3 years. Fugazzotto PA, et al. 39

AMERICAN ACADEMY OF PERIODONTOLOGY

American Academy of Periodontology statement regarding gingival curettage. 1229

Lasers in periodontics. 1231

Modulation of the host response in periodontal therapy. 460

Periodontal management of patients with cardiovascular diseases. 954

President's address. 1575

2002 Annual Report. 1560

2002 Balint Orban Memorial Program Abstracts. 969

2002 Oral Research Forum Abstracts. 1089

2002 Research Forum Poster Abstracts. 1240, 1396, 1544

ANABOLIC STEROIDS

The modulation of androgen metabolism by estradiol, minocycline, and indomethacin in a cell culture model. Tilakaratne A, et al. 585

ANGIOGENIC FACTORS

Pathogenic roles of angiogenic factors in pyogenic granulomas in pregnancy are modulated by female sex hormones. Yuan K, et al. 701

ANIMAL STUDIES

Bone regeneration of localized chronic alveolar defects utilizing cell binding peptide associated with anorganic bovine-derived bone mineral: a clinical and histological study. Barboza EP, et al. 1153

Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020

Characterization of bone defect repair in young and aged rat femur induced by xenogenic demineralized bone matrix. Torricelli P, et al. 1003

Disodium chlodronate prevents bone resorption in experimental periodontitis in rats. Alencar VBM, et al. 251

Distraction osteogenesis and histogenesis in beagle dogs: the effect of gradual mandibular osteodistraction on bone and gingiva. Cope JB, et al. 271

The effect of duration and force of mechanical toothbrushing stimulation on proliferative activity of the junctional epithelium. Tomofuji T, et al. 1149

Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. Johnson RB, et al. 383

Effect of polylactide/glycolide (PLGA) membranes loaded with metronidazole on periodontal regeneration following guided tissue regeneration in dogs. Kurtiş B, et al. 694

Effect of recombinant human bone morphogenetic protein-2/absorbable collagen sponge (rhBMP-2/ACS) on healing in 3-wall infrabony defects in dogs. Choi S-H, et al. 63

The effect of recombinant human bone morphogenetic protein-4 on the osteoblastic differentiation of mouse calvarial cells affected by *Porphyromonas gingivalis*. Kim C-S, et al. 1126

The effect of safflower seed extract on periodontal healing of 1-wall intrabony defects in beagle dogs. Kim H-Y, et al. 1457

Effect of selective cyclooxygenase-2 inhibition on the development of ligature-induced periodontitis in rats. Holzhausen M, et al. 1030

Effect of surgical implantation of recombinant human bone morphogenetic protein-2 in a bioabsorbable collagen sponge or calcium phosphate putty carrier in intrabony periodontal defects in the baboon. Blumenthal NM, et al. 1494

Effects of simvastatin gels on murine calvarial bone. Thylin MR, et al. 1141

Effects of topical administration of clodronate on alveolar bone resorption in rats with experimental periodontitis. Mitsuta T, et al. 479

The effects of varying degrees of allograft decalcification on cultured porcine osteoclast cells. Herold RW, et al. 213

Enamel matrix derivative and bone healing after guided bone regeneration in dehiscence-type defects around implants. A histomorphometric study in dogs. Casati MZ, et al. 789

Evaluation of pluronic polyols as carriers for grafting materials: study in rat calvaria defects. Fowler EB, et al. 191

Histocompatible healing of periodontal defects after application of an injectable calcium phosphate bone cement. A preliminary study in dogs. Shirakata Y, et al. 1043

Influence of nicotine administration on different implant surfaces: a histometric study in rabbits. Stefani CM, et al. 206

Influence of the size of the microgap on crestal bone levels in non-submerged dental implants: a radiographic study in the canine mandible. King GN, et al. 1111

Inhibition of matrix metalloproteinase-mediated periodontal bone loss in rats: a comparison of 6 chemically modified tetracyclines. Ramamurthy NS, et al. 726

Intermittent cigarette smoke inhalation may affect bone volume around titanium implants in rats. Nociti FH, Jr., et al. 982

Nifedipine induces gingival epithelial hyperplasia in rats through inhibition of apoptosis. Shimizu Y, et al. 861

An organoleptic in vitro model that mimics the dento-epithelial junction. Oksanen J, et al. 86

Osseous reconstruction using a membrane barrier following marginal mandibulectomy: an animal pilot study. Peled M, et al. 1451

Index

The role of CD4+ cells in vivo on the induction of the immune response to *Porphyromonas gingivalis* in mice. Sosroseno W, et al. 1133
A study of the initial attachment and subsequent behavior of rat oral epithelial cells cultured on titanium. Shiraiwa M, et al. 852
ANKYLOSIS
Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020
Factors that modulate the effects of bone morphogenetic protein-induced periodontal regeneration: a critical review. King GN, et al. 925
Tooth auto-transplantation with double periodontal ligament stimulation to replace periodontally compromised teeth. Gault PC, et al. 575
ANTIBIOTICS/therapeutic use
Rationale for use of antibiotics in periodontics. Walker C, et al. 1188
ANTIBODIES, BACTERIAL
IgG subclass specific antibody response to periodontopathic organisms in HIV-positive patients. Yeung SCH, et al. 1444
The role of CD4+ cells in vivo on the induction of the immune response to *Porphyromonas gingivalis* in mice. Sosroseno W, et al. 1133
ANTIBODIES, VIRAL
IgG subclass specific antibody response to periodontopathic organisms in HIV-positive patients. Yeung SCH, et al. 1444
ANTIGENS
Macrophage subpopulations in gingival overgrowth induced by nifedipine and immunosuppressive medication. Nurmenniemi PK, et al. 1323
ANTI-INFLAMMATORY AGENTS
Disodium chlodronate prevents bone resorption in experimental periodontitis in rats. Alencar VBM, et al. 251
AORTA
Detection of *Porphyromonas gingivalis* DNA in aortic tissue by PCR. Stelzel M, et al. 868
APOPTOSIS
Nifedipine induces gingival epithelial hyperplasia in rats through inhibition of apoptosis. Shimizu Y, et al. 861
Pathogenic roles of angiogenic factors in pyogenic granulomas in pregnancy are modulated by female sex hormones. Yuan K, et al. 701
ARACHIDONIC ACID/metabolism
Modulation of the host response in periodontal therapy. Informational paper. American Academy of Periodontology. 460
ASPERGILLOSIS/drug therapy
Itraconazole prophylaxis for invasive gingival aspergillosis in neutropenic patients with acute leukemia. Myoken Y, et al. 33
ASPIRIN/adverse effects
The effect of aspirin on the periodontal parameter bleeding on probing. Schrodi J, et al. 871
AUTOIMMUNE DISEASES/diagnosis
Oral pemphigoid masquerading as necrotizing ulcerative gingivitis in a child. Musa NJ, et al. 657

B

BACTEREMIA
Detection of *Porphyromonas gingivalis* DNA in aortic tissue by PCR. Stelzel M, et al. 868
BACTERIOLOGICAL TECHNIQUES
Frequency of reactivity for *Porphyromonas gingivalis* and *Prevotella* spp. in supra- and subgingival plaques, and periodontal clinical parameters according to subject age. Tanaka S, et al. 877
BACTEROIDES FORSYTHUS
Microbiological markers for prediction of assessment of treatment outcome following non-surgical periodontal therapy. Fujise O, et al. 1253
BANA TEST
The relationship of oral malodor in patients with or without periodontal disease. Figueiredo LC, et al. 1338
BASEMENT MEMBRANE
An organoleptic in vitro model that mimics the dento-epithelial junction. Oksanen J, et al. 86
BICUSPID
Implant placement in maxillary first premolar fresh extraction sockets: description of technique and report of preliminary results. Fugazzotto PA. 669
In vivo ultrasonic debridement forces in bicuspids: a pilot study. Ruppert M, et al. 418
BICUSPID/anatomy and histology
Root surface area of the mandibular cuspid and bicuspids. Mowry JK, et al. 1095
BILAMINAR TECHNIQUES
Subpedicle acellular dermal matrix graft and autogenous connective tissue graft in the treatment of gingival recessions: a comparative 1-year clinical study. Paolantonio M, et al.1299
BIOCOMPATIBLE MATERIALS
Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158
Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. White C, Jr., et al. 1517
Evaluation of the titanium Ti-6A1-7Nb alloy with and without plasma-sprayed hydroxyapatite

coating on growth and viability of cultured osteoblast-like cells. Lavos-Valereto I de C, et al. 900
BIODEGRADATION
Pharmacokinetic profile of a locally administered doxycycline gel in crevicular fluid, blood, and saliva. Kim T-S, et al. 1285
BIOLOGIC WIDTH
The causes of early implant bone loss: myth or science? Oh T-J, et al. 322
BIOLOGICAL TRANSPORT
An in vitro model of ciprofloxacin and minocycline transport by oral epithelial cells. Brayton JJ, et al. 1267
BIOMARKERS
Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. Johnson RB, et al. 383
Mediators of periodontal osseous destruction and remodeling: principles and implications for diagnosis and therapy. McCauley LK, et al. 1377
New biomarker evidence on oxidative DNA damage in whole saliva from clinically healthy and periodontally diseased individuals. Takane M, et al. 551
BISPHOSPHONATES
Bisphosphonates and periodontics: potential applications for regulation of bone mass in the periodontium and other therapeutic/diagnostic uses. Tenenbaum HC, et al. 813
Effects of topical administration of clodronate on alveolar bone resorption in rats with experimental periodontitis. Mitsuta T, et al. 479
BITE FORCE
Maximal bite force in patients with reduced periodontal tissue support with and without splinting. Kleinfelder JW, et al. 1184
BLACKS
Fcγ receptor genes as risk markers for localized aggressive periodontitis in African-Americans. Fu Y, et al. 517
BLOTTING, WESTERN
Specific fibronectin fragments as markers of periodontal disease status. Huynh QN, et al. 1101
BONE AND BONES
Evaluation of pluronic polyols as carriers for grafting materials: study in rat calvaria defects. Fowler EB, et al. 191
Intermittent cigarette smoke inhalation may affect bone volume around titanium implants in rats. Nociti FH, Jr., et al. 982
The prognostic value of several periodontal factors measured as radiographic bone level variation: a 10-year retrospective multilevel analysis of treated and maintained periodontal patients. Nieri M, et al. 1485
Radiographic and histologic evaluation of a sinus augmentation with composite bone graft: a clinical case report. Armand S, et al. 1082
BONE AND BONES/anatomy and histology
Inhibition of matrix metalloproteinase-mediated periodontal bone loss in rats: a comparison of 6 chemically modified tetracyclines. Ramamurthy NS, et al. 726
Probing bone level measurements for determination of the depths of Class II furcation defects. Suh Y-I, et al. 637
Scanning electron microscopy and Fourier transformed infrared spectroscopy analysis of bone removal using Er:YAG and CO_2 lasers. Sasaki KM, et al. 643
BONE AND BONES/metabolism
Modulation of the host response in periodontal therapy. Informational paper. American Academy of Periodontology. 460; errata 684
BONE, CRANIOFACIAL
Effects of simvastatin gels on murine calvarial bone. Thylin MR, et al. 1141
BONE DENSITY
Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. Johnson RB, et al. 383
Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. II. A case series of infrabony defects. Kim T-S, et al. 450
Relationships between clinical attachment level and spine and hip bone mineral density: data from healthy and postmenopausal women. Pilgram TK, et al. 298
BONE, DEMINERALIZED
Characterization of bone defect repair in young and aged rat femur induced by xenogenic demineralized bone matrix. Torricelli P, et al. 1003
Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. Johnson RB, et al. 383
A retrospective case series comparing the use of demineralized freeze-dried bone allograft and freeze-dried bone allograft combined with enamel matrix derivative for the treatment of advanced osseous lesions. Rosen PS, et al. 942
BONE DISEASES/therapy
Characterization of bone defect repair in young and aged rat femur induced by xenogenic demineralized bone matrix. Torricelli P, et al. 1003
BONE, FREEZE-DRIED
The effects of varying degrees of allograft decalcification on cultured porcine osteoclast cells. Herold RW, et al. 213
A retrospective case series comparing the use of demineralized freeze-dried bone allograft and

Index

freeze-dried bone allograft combined with enamel matrix derivative for the treatment of advanced osseous lesions. Rosen PS, et al. 942

BONE LOSS/diagnosis

Mediators of periodontal osseous destruction and remodeling: principles and implications for diagnosis and therapy. McCauley LK, et al. 1377

Probing bone level measurements for determination of the depths of Class II furcation defects. Suh Y-I, et al. 637

BONE LOSS/etiology

The causes of early implant bone loss: myth or science? Oh T-J, et al. 322

Root surface area of the mandibular cuspid and bicuspids. Mowry JK, et al. 1095

BONE LOSS/prevention and control

Comparison of conventional periodontal maintenance versus scaling and root planing with subgingival minocycline. Meinberg TA, et al. 167

Disodium chlodronate prevents bone resorption in experimental periodontitis in rats. Alencar VBM, et al. 251

BONE LOSS/therapy

Clinical and radiologic evaluation of periodontal intrabony defects treated with guided tissue regeneration. A pilot study. Joly JC, et al. 353

Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158

Mediators of periodontal osseous destruction and remodeling: principles and implications for diagnosis and therapy. McCauley LK, et al. 1377

Thirty-six month follow-up of 25 patients treated with combination anorganic bovine-derived hydroxyapatite matrix (ABM)/cell-binding peptide (P-15) bone replacement grafts in human infrabony defects. I. Clinical findings. Yukna RA, et al. 123

BONE REGENERATION

Alveolar bone upper growth in furcation area using a combined orthodontic-regenerative therapy: a case report. Ogihara S, et al. 1522

Bisphosphonates and periodontics: potential applications for regulation of bone mass in the periodontium and other therapeutic/diagnostic uses. Tenenbaum HC, et al. 813

Clinical and radiologic evaluation of periodontal intrabony defects treated with guided tissue regeneration. A pilot study. Joly JC, et al. 353

Comparative study of buccal dehiscence defects in immediate, delayed, and late maxillary implant placement with collagen membranes: clinical healing between placement and second-stage surgery. Nemcovsky CE, et al. 754

Comparison of clinical, radiographic, and histometric measurements following treatment with guided tissue regeneration or enamel matrix proteins in human periodontal defects. Windisch P, et al. 409

Distraction osteogenesis and histogenesis in beagle dogs: the effect of gradual mandibular osteodistraction on bone and gingiva. Cope JB, et al. 271

The effect of recombinant human bone morphogenetic protein-4 on the osteoblastic differentiation of mouse calvarial cells affected by *Porphyromonas gingivalis*. Kim C-S, et al. 1126

The effect of safflower seed extract on periodontal healing of 1-wall intrabony defects in beagle dogs. Kim H-Y, et al. 1457

Effect of surgical implantation of recombinant human bone morphogenetic protein-2 in a bioabsorbable collagen sponge or calcium phosphate putty carrier in intrabony periodontal defects in the baboon. Blumenthal NM, et al. 1494

Effects of simvastatin gels on murine calvarial bone. Thylin MR, et al. 1141

Histomorphometrical analysis of bone formed after maxillary sinus floor augmentation by grafting with a combination autogenous bone and demineralized freeze-dried bone allograft or hydroxyapatite. Boëck-Neto RJ, et al. 266

The pattern of alveolar crest height change in healthy postmenopausal women after 3 years of hormone/estrogen replacement therapy. Hildebolt CF, et al. 1279

Tooth auto-transplantation with double periodontal ligament stimulation to replace periodontally compromised teeth. Gault PC, et al. 575

BONE REMODELING

Mediators of periodontal osseous destruction and remodeling: principles and implications for diagnosis and therapy. McCauley LK, et al. 1377

BONE RESORPTION

Effect of locally delivered minocycline microspheres on markers of bone resorption. Oringer, RJ, et al. 835

The effects of varying degrees of allograft decalcification on cultured porcine osteoclast cells. Herold RW, et al. 213

BONE RESORPTION/etiology

Strain relaxation of fibroblasts in the marginal periodontium is the common trigger for alveolar bone resorption: a novel hypothesis. Binderman I, et al. 1210

BONE RESORPTION/prevention and control

Disodium chlodronate prevents bone resorption in experimental periodontitis in rats. Alencar VBM, et al. 251

Mediators of periodontal osseous destruction and remodeling: principles and implications for diagnosis and therapy. McCauley LK, et al. 1377
BONE SUBSTITUTES
Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158
Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. White C, Jr., et al. 1517

C

CALCIUM/therapeutic use
The effects of varying degrees of allograft decalcification on cultured porcine osteoclast cells. Herold RW, et al. 213
CALCIUM CHANNEL BLOCKERS
Treatment of gingival overgrowth induced by manidipine administration. A case report. Ikawa K, et al. 115
CALCIUM PHOSPHATE
Histocompatible healing of periodontal defects after application of an injectable calcium phosphate bone cement. A preliminary study in dogs. Shirakata Y, et al. 1043
CALCIUM SULFATE/therapeutic use
Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158
Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. White C, Jr., et al. 1517
Medical grade calcium sulfate hemihydrate versus expanded polytetrafluoroethylene in the treatment of mandibular Class II furcations. Couri CJ, et al. 1352
CANDIDIASIS
An update on HIV and periodontal disease. Ryder MI. 1071
CARDIOVASCULAR DISEASES
Periodontal management of patients with cardiovascular diseases. American Academy of Periodontology. 954
CARDIOVASCULAR DISEASES/epidemiology
Association between periodontal pockets and elevated cholesterol and low density lipoprotein cholesterol levels. Katz J, et al. 494
CARDIOVASCULAR DISEASES/etiology
Detection of *Porphyromonas gingivalis* DNA in aortic tissue by PCR. Stelzel M, et al. 868
CATHEPSIN C
A novel mutation of the cathepsin C gene in Papillon-Lefèvre syndrome. Cury VF, et al. 307
CD-15-3 ANTIGEN
Immunohistochemical analysis of lymphocyte subpopulations in cyclosporin A-induced gingival overgrowth. Bulut S, et al. 892
CD4-ANTIGENS
Immunohistochemical analysis of lymphocyte subpopulations in cyclosporin A-induced gingival overgrowth. Bulut S, et al. 892
CD8-ANTIGENS
Immunohistochemical analysis of lymphocyte subpopulations in cyclosporin A-induced gingival overgrowth. Bulut S, et al. 892
CD57-ANTIGENS
Immunohistochemical analysis of lymphocyte subpopulations in cyclosporin A-induced gingival overgrowth. Bulut S, et al. 892
CELL ADHESION
Function of laminins and laminin-binding integrins in gingival epithelial cell adhesion. Pakkala T, et al. 709
A study of the initial attachment and subsequent behavior of rat oral epithelial cells cultured on titanium. Shiraiwa M, et al. 852
CELL ATTACHMENT MOLECULES
Thirty-six month follow-up of 25 patients treated with combination anorganic bovine-derived hydroxyapatite matrix (ABM)/cell-binding peptide (P-15) bone replacement grafts in human infrabony defects. I. Clinical findings. Yukna RA, et al.123
CELL CULTURE
Evaluation of the titanium Ti-6A1-7Nb alloy with and without plasma-sprayed hydroxyapatite coating on growth and viability of cultured osteoblast-like cells. Lavos-Valereto I de C, et al. 900
CELL DIFFERENTIATION
Effect of enamel matrix derivative on the differentiation of C2C12 cells. Ohyama M, et al. 543
Effects of basic fibroblast growth factor on human gingival epithelial cells. Takayama S-I, et al. 1467
CELL SURVIVAL
Nifedipine induces gingival epithelial hyperplasia in rats through inhibition of apoptosis. Shimizu Y, et al. 861
CELLS, BASAL
The effect of duration and force of mechanical toothbrushing stimulation on proliferative activity of the junctional epithelium. Tomofuji T, et al. 1149
CELLS, CULTURED
Vascular endothelial growth factor and transforming growth factor-α and -β_1 are released from

Index

human cultured gingival epithelial sheets. Momose M, et al. 748

CELLS, EPITHELIAL
Function of laminins and laminin-binding integrins in gingival epithelial cell adhesion. Pakkala T, et al. 709
A study of the initial attachment and subsequent behavior of rat oral epithelial cells cultured on titanium. Shiraiwa M, et al. 852
Vascular endothelial growth factor and transforming growth factor-α and -β_1 are released from human cultured gingival epithelial sheets. Momose M, et al. 748

CELLS, EPITHELIAL/growth and development
Effects of basic fibroblast growth factor on human gingival epithelial cells. Takayama S-I, et al. 1467

CENTRAL NERVOUS SYSTEM INFECTION/microbiology
Effects of *Porphyromonas gingivalis* on the central nervous system: activation of glial cells and exacerbation of experimental autoimmune encephalomyelitis. Shapira L, et al. 511

CENTRAL NERVOUS SYSTEM INFECTION/pathogenesis
Effects of *Porphyromonas gingivalis* on the central nervous system: activation of glial cells and exacerbation of experimental autoimmune encephalomyelitis. Shapira L, et al. 511

CHILD WELFARE
Periodontopathic bacterial infection in childhood. Kimura S, et al. 20

CHLODRONATE/therapeutic use
Disodium chlodronate prevents bone resorption in experimental periodontitis in rats. Alencar VBM, et al. 251

CHLORHEXIDINE/therapeutic use
Clinical response to 2 different therapeutic regimens to treat peri-implant mucositis. Porras R, et al. 1118
The effect of subgingival controlled-release delivery of chlorhexidine chip on clinical parameters and matrix metalloproteinase-8 levels in gingival crevicular fluid. Azmak N, et al. 608
Efficacy of chlorhexidine mouthrinses with and without alcohol: a clinical study. Borrajo JLL, et al. 317
Full-mouth therapy versus individual quadrant root planing: a critical commentary. Greenstein G. 797

CHOLESTEROL/adverse effects
Association between periodontal pockets and elevated cholesterol and low density lipoprotein cholesterol levels. Katz J, et al. 494

CHOLESTEROL, LDL/adverse effects
Association between periodontal pockets and elevated cholesterol and low density lipoprotein cholesterol levels. Katz J, et al. 494

CIPROFLOXACIN/therapeutic use
An in vitro model of ciprofloxacin and minocycline transport by oral epithelial cells. Brayton JJ, et al. 1267

CLINICAL PROTOCOLS
Evaluation of non-surgical periodontal treatment using 2 time intervals. Eren KS, et al. 1015

CLINICAL TRIALS
Controlled local delivery of tetracycline with polymer strips in the treatment of periodontitis. Friesen LR, et al. 13
Effect of locally delivered minocycline microspheres on markers of bone resorption. Oringer RJ, et al. 835
Efficacy of chlorhexidine mouthrinses with and without alcohol: a clinical study. Borrajo JLL, et al. 317
Full-mouth therapy versus individual quadrant root planing: a critical commentary. Greenstein G. 797
The single-tooth implant: a viable alternative for single-tooth replacement. Mayer TM, et al. 687
Six-month comparison of powered versus manual toothbrushing for safety and efficacy in the absence of professional instruction in mechanical plaque control. Dentino AR, et al. 770
Treatment of gingival recessions by combined periodontal regenerative technique, guided tissue regeneration, and subpedicle connective tissue graft. A comparative clinical study. Paolantonio M. 53
Treatment of intrabony periodontal defects with enamel matrix derivative: a literature review. Kalpidis CDR, et al. 1360

CLINICAL TRIALS, CONTROLLED
A clinical comparison of a bovine-derived xenograft used alone and in combination with enamel matrix derivative for the treatment of periodontal ossous defects in humans. Scheyer ET, et al. 423
Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158
The effect of aspirin on the periodontal parameter bleeding on probing. Schrodi J, et al. 871
Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3
Periodontal therapy may reduce the risk of preterm low birth weight in women with periodontal disease: a randomized controlled trial. López NJ, et al. 911

Index

Pharmacokinetic profile of a locally administered doxycycline gel in crevicular fluid, blood, and saliva. Kim T-S, et al. 1285

CLINICAL TRIALS, RANDOMIZED

The effect of aspirin on the periodontal parameter bleeding on probing. Schrodi J, et al. 871

Periodontal therapy may reduce the risk of preterm low birth weight in women with periodontal disease: a randomized controlled trial. López NJ, et al. 911

CLODRONATE

Effects of topical administration of clodronate on alveolar bone resorption in rats with experimental periodontitis. Mitsuta T, et al. 479

COHORT STUDIES

Predicting tooth loss during a population-based study: role of attachment level in the presence of other dental conditions. Gilbert GH, et al. 1427

COLLAGEN

Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158

Effect of locally delivered minocycline microspheres on markers of bone resorption. Oringer RJ, et al. 835

Effect of recombinant human bone morphogenetic protein-2/absorbable collagen sponge (rhBMP-2/ACS) on healing in 3-wall infrabony defects in dogs. Choi S-H, et al. 63

Erratum. Friedmann A, et al. 352 (2001;72:1616)

COLLAGEN/physiology

Cytokine regulation of gingival fibroblast lysyl oxidase, collagen, and elastin. Hong H-H, et al. 145

COLLAGEN/therapeutic use

Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020

Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. Lee E-J, et al. 779

Comparative study of buccal dehiscence defects in immediate, delayed, and late maxillary implant placement with collagen membranes: clinical healing between placement and second-stage surgery. Nemcovsky CE, et al. 754

Radiographic and histologic evaluation of a sinus augmentation with composite bone graft: a clinical case report. Armand S, et al. 1082

COLLAGENASE

Gingival crevicular fluid matrix metalloproteinase-8 levels following adjunctive use of meloxicam and initial phase of periodontal therapy. Buduneli N, et al. 103

Inhibition of proteolytic, serpinolytic, and progelatinase-B activation activities of periodontopathogens by doxycycline and non-antimicrobial chemically modified tetracycline derivatives. Grenier D, et al. 79

COMMUNICABLE DISEASES/ethnology

The effect of shared genetic and environmental factors on periodontal disease parameters in untreated adult siblings in Guatemala. Dowsett SA, et al. 1160

COMPARISON STUDIES

Adjunctive benefits of subantimicrobial dose doxycycline in the management of severe, generalized, chronic periodontitis. Novak MJ, et al. 762

Acellular dermal matrix allografts to achieve increased attached gingiva. Part 2. A histological comparative study. Wei P-C, et al. 257 errata 684

A clinical comparison of a bovine-derived xenograft used alone and in combination with enamel matrix derivative for the treatment of periodontal osseous defects in humans. Scheyer ET, et al. 423

Clinical comparison of an enamel matrix derivative used alone or in combination with a bovine-derived xenograft for the treatment of periodontal osseous defects in humans. Velasquez-Plata D, et al. 433; erratum 684

Clinical evaluation of an enamel matrix protein derivative combined with a bioactive glass for the treatment of intrabony periodontal defects in humans. Sculean A, et al. 401

Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. Lee E-J, et al. 779

Comparison of clinical, radiographic, and histometric measurements following treatment with guided tissue regeneration or enamel matrix proteins in human periodontal defects. Windisch P, et al. 409

Comparison of conventional periodontal maintenance versus scaling and root planing with subgingival minocycline. Meinberg TA, et al. 167

Comparison of platelet-rich plasma, bovine porous bone mineral, and guided tissue regeneration versus platelet-rich plasma and bovine porous bone mineral in the treatment of intrabony defects: a reentry study. Lekovic V, et al. 198

Comparison of 2 retentive systems for implant-supported overdentures: soft tissue management and evaluation of patient satisfaction. Karabuda C, et al. 1067

Controlled local delivery of tetracycline with polymer strips in the treatment of periodontitis. Friesen LR, et al. 13

Index

Dentin morphology and permeability after brushing with different toothpastes in the presence and absence of smear layer. Prati C, et al. 183

Effects of CO_2 laser treatment on fibroblast attachment to root surfaces. A scanning electron microscopy analysis. Crespi R, et al. 1308

Efficacy of chlorhexidine mouthrinses with and without alcohol: a clinical study. Borrajo JLL, et al. 317

Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3

Er:YAG laser scaling of diseased root surfaces. Frentzen M, et al. 524

Evaluation of the titanium Ti-6A1-7Nb alloy with and without plasma-sprayed hydroxyapatite coating on growth and viability of cultured osteoblast-like cells. Lavos-Valereto I de C, et al. 900

Full-mouth therapy versus individual quadrant root planing: a critical commentary. Greenstein G. 797

Histomorphometrical analysis of bone formed after maxillary sinus floor augmentation by grafting with a combination autogenous bone and demineralized freeze-dried bone allograft or hydroxyapatite. Boëck-Neto RJ, et al. 266

Immunohistochemical analysis of lymphocyte subpopulations in cyclosporin A-induced gingival overgrowth. Bulut S, et al. 892

Inhibition of matrix metalloproteinase-mediated periodontal bone loss in rats: a comparison of 6 chemically modified tetracyclines. Ramamurthy NS, et al. 726

Maximal bite force in patients with reduced periodontal tissue support with and without splinting. Kleinfelder JW, et al. 1184

Medical grade calcium sulfate hemihydrate versus expanded polytetrafluoroethylene in the treatment of mandibular Class II furcations. Couri CJ, et al. 1352

A method to assess the clinical outcome of ridge augmentation procedures. Proussaefs PT, et al. 302

Microscopic, immunocytochemical, and ultrastructural properties of peri-implant mucosa in humans. Marchetti C, et al. 555

The modulation of androgen metabolism by estradiol, minocycline, and indomethacin in a cell culture model. Tilakaratne A, et al. 585

Permeability of *Streptococcus mutans* and *Actinobacillus actinomycetemcomitans* through guided tissue regeneration membranes and their effects on attachment of periodontal ligament cells. Hung S-L, et al. 843

A retrospective case series comparing the use of demineralized freeze-dried bone allograft and freeze-dried bone allograft combined with enamel matrix derivative for the treatment of advanced osseous lesions. Rosen PS, et al. 942

Root coverage of advanced gingival recession: a comparative study between acellular dermal matrix allograft and subepithelial connective tissue grafts. Tal H, et al. 1405

Root surface morphological changes after focused versus defocused CO_2 laser irradiation: a scanning electron microscopy analysis. Barone A, et al. 370

Scanning electron microscopy and Fourier transformed infrared spectroscopy analysis of bone removal using Er:YAG and CO_2 lasers. Sasaki KM, et al. 643

Six-month comparison of powered versus manual toothbrushing for safety and efficacy in the absence of professional instruction in mechanical plaque control. Dentino AR, et al.770

Smoking and complications of endosseous dental implants. Schwartz-Arad D, et al. 153

Subgingival microbiota of Brazilian subjects with untreated chronic periodontitis. Colombo APV, et al. 360

Subpedicle acellular dermal matrix graft and autogenous connective tissue graft in the treatment of gingival recessions: a comparative 1-year clinical study. Paolantonio M, et al. 1299

Treatment of gingival recessions by combined periodontal regenerative technique, guided tissue regeneration, and subpedicle connective tissue graft. A comparative clinical study. Paolantonio M. 53

Treatment of intrabony periodontal defects with enamel matrix derivative: a literature review. Kalpidis CDR, et al. 1360

CONNECTIVE TISSUE DISEASES

Severe periodontitis in Marfan's syndrome: a case report. Straub AM, et al. 823

COPING BEHAVIOR

Coping with stress: its influence on periodontal disease. Wimmer G, et al. 1343

CORONARY ANGIOGRAPHY

Investigation of the association between angiographically defined coronary artery disease and periodontal disease. Malthaner SC, et al. 1169

CORONARY DISEASES

Investigation of the association between angiographically defined coronary artery disease and periodontal disease. Malthaner SC, et al. 1169

Periodontal assessment of patients undergoing angioplasty for treatment of coronary artery disease. Bazile A, et al. 631

Index

CORONARY DISEASES/etiology
The role of cigarette smoking in the association between periodontal disease and coronary heart disease. Hyman JJ, et al. 988
COSMETIC TECHNIQUES/adverse effects
Tongue piercing: impact of time and barbell stem length on lingual gingival recession and tooth chipping. Campbell A, et al. 289
COST-BENEFIT ANALYSIS
The cost-effectiveness of interleukin-1 genetic testing for periodontal disease. Higashi MK, et al. 1474
CROHN'S DISEASE
Pyostomatitis vegetans as an early sign of reactivation of Crohn's disease: a case report. Ayangco L, et al. 1512
CROSS-LINKING
Treatment of periodontal disease in a patient with Ehlers-Danlos syndrome. A case report and literature review. Perez L, et al. 564
CROSS-SECTIONAL STUDIES
Smoking and polymorphisms of the interleukin-1 gene cluster (IL-1α, IL-1β, and IL-1RN) in patients with periodontal disease. Meisel P, et al. 27
Specific fibronectin fragments as markers of periodontal disease status. Huynh QN, et al. 1101
CUSPID/anatomy and histology
Root surface area of the mandibular cuspid and bicuspids. Mowry JK, et al. 1095
CYCLOOXYGENASE INHIBITORS
Effect of selective cyclooxygenase-2 inhibition on the development of ligature-induced periodontitis in rats. Holzhausen M, et al. 1030
CYCLOSPORIN A/adverse effects
Evaluation of matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1 levels in gingival fibroblasts of cyclosporin A-treated patients. Tüter G, et al. 1273
Expression of matrix metalloproteinases in cyclosporin-treated gingival fibroblasts is regulated by transforming growth factor (TGF)-β_1 autocrine stimulation. Cotrim P, et al. 1313
Immunohistochemical analysis of lymphocyte subpopulations in cyclosporin A-induced gingival overgrowth. Bulut S, et al. 892
CYCLOSPORIN A/therapeutic use
Cytokine regulation of gingival fibroblast lysyl oxidase, collagen, and elastin. Hong H-H, et al. 145
Periodontal changes in liver cirrhosis and post-transplantation patients. II: Radiographic findings. Oettinger-Barak O, et al. 313
CYSTS/etiology
Formation of a cyst-like area after a connective tissue graft for root coverage. Harris RJ. 340
CYSTS, GINGIVAL
Gingival cysts in the adult. Giunta JL. 827
CYTOKINES
Cytokine regulation of gingival fibroblast lysyl oxidase, collagen, and elastin. Hong H-H, et al. 145
Genetic dependence of the specific T-cell cytokine response to *Porphyromonas gingivalis* in mice. Gemmell E, et al. 591
Human gingival fibroblasts produce nitric oxide in response to proinflammatory cytokines. Daghigh F, et al. 392
Inhibition of matrix metalloproteinase-mediated periodontal bone loss in rats: a comparison of 6 chemically modified tetracyclines. Ramamurthy NS, et al. 726
CYTOMEGALOVIRUS
Detection of human viruses in patients with chronic periodontitis and the relationship between viruses and clinical parameters. Saygun I, et al. 1437

D

DATA COLLECTION
Partial- and full-mouth approaches to assessing the prevalence and risk factors for periodontal disease in young adults. Thomson WM, et al. 1010
DEBRIDEMENT
In vivo ultrasonic debridement forces in bicuspids: a pilot study. Ruppert M, et al. 418
DENDRITIC CELLS
Lamina propria dendritic cells express activation markers and contact lymphocytes in chronic periodontitis. Cirrincione C, et al. 45
DENTAL ABUTMENTS
Influence of the size of the microgap on crestal bone levels in non-submerged dental implants: a radiographic study in the canine mandible. King GN, et al. 1111
DENTAL ANXIETY
Pain experienced by patients during periodontal maintenance treatment. Karadottir H, et al. 536
DENTAL CALCULUS/diagnosis
Endoscopic visualization of the submarginal gingiva dental sulcus and tooth root surfaces. Stambaugh RV, et al. 374
Subgingival calculus detection with fluorescence induced by 655 nm InGaAsP diode laser radiation. Folwaczny M, et al. 597
DENTAL CALCULUS/prevention and control
Er:YAG laser scaling of diseased root surfaces. Frentzen M, et al. 524
Six-month comparison of powered versus manual toothbrushing for safety and efficacy in the absence of professional instruction in mechanical plaque control. Dentino AR, et al. 770
DENTAL CARIES/diagnosis
Endoscopic visualization of the submarginal gingiva dental sulcus and tooth root surfaces. Stambaugh RV, et al. 374

Index

DENTAL CARIES/prevention and control
Coverage of previously carious roots is as predictable a procedure as coverage of intact roots. Goldstein M, et al. 1419
DENTAL CEMENTUM
Effect of recombinant human bone morphogenetic protein-2/absorbable collagen sponge (rhBMP-2/ACS) on healing in 3-wall infrabony defects in dogs. Choi S-H, et al. 63
In vitro effect of laser irradiation on cementum-bound endotoxin isolated from periodontally diseased roots. Liu C-M, et al. 1260
Subgingival calculus detection with fluorescence induced by 655 nm InGaAsP diode laser radiation. Folwaczny M, et al. 597
DENTAL CEMENTUM/growth and development
Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020
The effect of safflower seed extract on periodontal healing of 1-wall intrabony defects in beagle dogs. Kim H-Y, et al. 1457
Effect of surgical implantation of recombinant human bone morphogenetic protein-2 in a bioabsorbable collagen sponge or calcium phosphate putty carrier in intrabony periodontal defects in the baboon. Blumenthal NM, et al. 1494
DENTAL CEMENTUM/physiopathology
The effect of safflower seed extract on periodontal healing of 1-wall intrabony defects in beagle dogs. Kim H-Y, et al. 1457
DENTAL DEVICES, HOME CARE
Six-month comparison of powered versus manual toothbrushing for safety and efficacy in the absence of professional instruction in mechanical plaque control. Dentino AR, et al. 770
DENTAL ENAMEL
An organoleptic in vitro model that mimics the dento-epithelial junction. Oksanen J, et al. 86
DENTAL HYGIENE/instrumentation
In vivo ultrasonic debridement forces in bicuspids: a pilot study. Ruppert M, et al. 418
DENTAL IMPLANTATION
Clinical application of spiral tomography in anterior implant placement: case report. Dixon DR, et al. 1202
DENTAL IMPLANTATION, ENDOSSEOUS/methods
Implant placement in maxillary first premolar fresh extraction sockets: description of technique and report of preliminary results. Fugazzotto PA. 669
DENTAL IMPLANTS
Comparative study of buccal dehiscence defects in immediate, delayed, and late maxillary implant placement with collagen membranes: clinical healing between placement and second-stage surgery. Nemcovsky CE, et al. 754
Comparison of 2 retentive systems for implant-supported overdentures: soft tissue management and evaluation of patient satisfaction. Karabuda C, et al. 1067
Enamel matrix derivative and bone healing after guided bone regeneration in dehiscence-type defects around implants. A histomorphometric study in dogs. Casati MZ, et al. 789
Evaluation of the titanium Ti-6A1-7Nb alloy with and without plasma-sprayed hydroxyapatite coating on growth and viability of cultured osteoblast-like cells. Lavos-Valereto I de C, et al. 900
Histomorphometrical analysis of bone formed after maxillary sinus floor augmentation by grafting with a combination autogenous bone and demineralized freeze-dried bone allograft or hydroxyapatite. Boëck-Neto RJ, et al. 266
Influence of nicotine administration on different implant surfaces: a histometric study in rabbits. Stefani CM, et al. 206
Intermittent cigarette smoke inhalation may affect bone volume around titanium implants in rats. Nociti FH, Jr., et al. 982
Microscopic, immunocytochemical, and ultrastructural properties of peri-implant mucosa in humans. Marchetti C, et al. 555
Radiographic and histologic evaluation of a sinus augmentation with composite bone graft: a clinical case report. Armand S, et al. 1082
Sinus floor augmentation at the time of maxillary molar extraction: success and failure rates of 137 implants in function up to 3 years. Fugazzotto PA, et al. 39
A study of the initial attachment and subsequent behavior of rat oral epithelial cells cultured on titanium. Shiraiwa M, et al. 852
DENTAL IMPLANTS/complications
The causes of early implant bone loss: myth or science? Oh T-J, et al. 322
DENTAL IMPLANTS/microbiology
Bactericidal effect of the Er:YAG laser on dental implant surfaces: an in vitro study. Kreisler M, et al. 1292
Clinical response to 2 different therapeutic regimens to treat peri-implant mucositis. Porras R, et al. 1118
DENTAL IMPLANTS, ENDOSSEOUS
Clinical application of spiral tomography in anterior implant placement: case report. Dixon DR, et al. 1202
Influence of the size of the microgap on crestal bone levels in non-submerged dental implants:

Index

a radiographic study in the canine mandible. King GN, et al. 1111

DENTAL IMPLANTS, ENDOSSEOUS/complications
Smoking and complications of endosseous dental implants. Schwartz-Arad D, et al. 153

DENTAL IMPLANTS, FAILURE
The causes of early implant bone loss: myth or science? Oh T-J, et al. 322
The single-tooth implant: a viable alternative for single-tooth replacement. Mayer TM, et al. 687
Sinus floor augmentation at the time of maxillary molar extraction: success and failure rates of 137 implants in function up to 3 years. Fugazzotto PA, et al. 39

DENTAL IMPLANTS, SINGLE-TOOTH
The single-tooth implant: a viable alternative for single-tooth replacement. Mayer TM, et al. 687

DENTAL INSTRUMENTS
Endoscopic visualization of the submarginal gingiva dental sulcus and tooth root surfaces. Stambaugh RV, et al. 374

DENTAL MODELS
Disodium chlodronate prevents bone resorption in experimental periodontitis in rats. Alencar VBM, et al. 251

DENTAL OCCLUSION, TRAUMATIC
The causes of early implant bone loss: myth or science? Oh T-J, et al. 322

DENTAL PAPILLA
Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3

DENTAL PLAQUE/microbiology
Eikenella corrodens in subgingival plaque: relationship to age and periodontal condition. Suda R, et al. 886
Frequency of reactivity for *Porphyromonas gingivalis* and *Prevotella* spp. in supra- and subgingival plaques, and periodontal clinical parameters according to subject age. Tanaka S, et al. 877
Periodontopathic bacteria in young healthy subjects of different ethnic backgrounds in Los Angeles. Sirinian G, et al. 283
The relationship of oral malodor in patients with or without periodontal disease. Figueiredo LC, et al. 1338

DENTAL PLAQUE/prevention and control
Efficacy of chlorhexidine mouthrinses with and without alcohol: a clinical study. Borrajo JLL, et al. 317
Er:YAG laser scaling of diseased root surfaces. Frentzen M, et al. 524
Six-month comparison of powered versus manual toothbrushing for safety and efficacy in the absence of professional instruction in mechanical plaque control. Dentino AR, et al. 770
Treatment of gingival overgrowth induced by manidipine administration. A case report. Ikawa K, et al. 115

DENTAL PROPHYLAXIS/instrumentation
In vivo ultrasonic debridement forces in bicuspids: a pilot study. Ruppert M, et al. 418

DENTAL PROSTHESIS DESIGN
Clinical application of spiral tomography in anterior implant placement: case report. Dixon DR, et al. 1202

DENTAL PROSTHESIS, PARTIAL
The single-tooth implant: a viable alternative for single-tooth replacement. Mayer TM, et al. 687

DENTIN, SENSITIVE
Dentin morphology and permeability after brushing with different toothpastes in the presence and absence of smear layer. Prati C, et al. 183

DENTIN SOLUBILITY
Dentin morphology and permeability after brushing with different toothpastes in the presence and absence of smear layer. Prati C, et al. 183

DENTURE, PARTIAL, OVERLAY
Comparison of 2 retentive systems for implant-supported overdentures: soft tissue management and evaluation of patient satisfaction. Karabuda C, et al. 1067

DENTURE, PARTIAL, REMOVABLE/adverse effects
The effect of removable partial dentures on periodontal health of abutment and non-abutment teeth. Zlataric DK, et al. 137

DEPRESSION
Relationship of clinical depression to periodontal treatment outcome. Elter JR, et al. 441

DIABETES INSIPIDUS/diagnosis
Langerhans' cell histiocytosis diagnosed through periodontal lesions: a case report. Muzzi L, et al. 1528

DISEASE PROGRESSION
The applicability of half-mouth examination to periodontal disease assessment in untreated adult populations. Dowsett SA, et al. 975
The cost-effectiveness of interleukin-1 genetic testing for periodontal disease. Higashi MK, et al. 1474
IgG subclass specific antibody response to periodontopathic organisms in HIV-positive patients. Yeung SCH, et al. 1444
Prevalence and severity of periodontal disease at mandibular molar teeth in smokers wih regular oral hygiene habits. Kerdvongbundit V, et al. 735

Index

DNA PROBES
Clinical response to 2 different therapeutic regimens to treat peri-implant mucositis. Porras R, et al. 1118
Detection of *Porphyromonas gingivalis* DNA in aortic tissue by PCR. Stelzel M, et al. 868
Subgingival microbiota of Brazilian subjects with untreated chronic periodontitis. Colombo APV, et al. 360
DOUBLE-BLIND METHOD
A clinical comparison of a bovine-derived xenograft used alone and in combination with enamel matrix derivative for the treatment of periodontal osseous defects in humans. Scheyer ET, et al. 423
The effect of aspirin on the periodontal parameter bleeding on probing. Schrodi J, et al. 871
DOXYCYCLINE/therapeutic use
Adjunctive benefits of subantimicrobial dose doxycycline in the management of severe, generalized, chronic periodontitis. Novak MJ, et al. 762
Inhibition of matrix metalloproteinase-mediated periodontal bone loss in rats: a comparison of 6 chemically modified tetracyclines. Ramamurthy NS, et al. 726
Inhibition of proteolytic, serpinolytic, and progelatinase-B activation activities of periodontopathogens by doxycycline and non-antimicrobial chemically modified tetracycline derivatives. Grenier D, et al. 79
Pharmacokinetic profile of a locally administered doxycycline gel in crevicular fluid, blood, and saliva. Kim T-S, et al. 1285
DRUG DELIVERY SYSTEMS
Effect of locally delivered minocycline microspheres on markers of bone resorption. Oringer RJ, et al. 835
The effect of subgingival controlled-release delivery of chlorhexidine chip on clinical parameters and matrix metalloproteinase-8 levels in gingival crevicular fluid. Azmak N, et al. 608
Effects of simvastatin gels on murine calvarial bone. Thylin MR, et al. 1141
Factors that modulate the effects of bone morphogenetic protein-induced periodontal regeneration: a critical review. King GN, et al. 925
Pharmacokinetic profile of a locally administered doxycycline gel in crevicular fluid, blood, and saliva. Kim T-S, et al. 1285

E

EDITORIAL, GUEST
Helmut A. Zander, DDS, MS: publications and abstracts (1938-1983). Vandersall DC, et al. 1216
EHLERS-DANLOS SYNDROME
Treatment of periodontal disease in a patient with Ehlers-Danlos syndrome. A case report and literature review. Perez L, et al. 564
EIKENELLA CORRODENS
Eikenella corrodens in subgingival plaque: relationship to age and periodontal condition. Suda R, et al. 886
ELASTIN/physiology
Cytokine regulation of gingival fibroblast lysyl oxidase, collagen, and elastin. Hong H-H, et al. 145
ENAMEL MATRIX DERIVATIVE
Application of enamel matrix derivative in autotransplantation of an impacted maxillary premolar: a case report. Ninomiya M, et al. 346
A clinical comparison of a bovine-derived xenograft used alone and in combination with enamel matrix derivative for the treatment of periodontal osseous defects in humans. Scheyer ET, et al. 423
Clinical comparison of an enamel matrix derivative used alone or in combination with a bovine-derived xenograft for the treatment of periodontal osseous defects in humans. Velasquez-Plata D, et al. 433; errata 684
Clinical evaluation of an enamel matrix protein derivative combined with a bioactive glass for the treatment of intrabony periodontal defects in humans. Sculean A, et al. 401
Effect of enamel matrix derivative on the differentiation of C2C12 cells. Ohyama M, et al. 543
Enamel matrix derivative and bone healing after guided bone regeneration in dehiscence-type defects around implants. A histomorphometric study in dogs. Casati MZ, et al. 789
Histological evaluation of 4 cases of root coverage following a connective tissue graft combined with an enamel matrix derivative preparation. Carnio J, et al. 1534
A retrospective case series comparing the use of demineralized freeze-dried bone allograft and freeze-dried bone allograft combined with enamel matrix derivative for the treatment of advanced osseous lesions. Rosen PS, et al. 942
Treatment of intrabony periodontal defects with enamel matrix derivative: a literature review. Kalpidis CDR, et al. 1360
ENDOTOXEMIA/etiology
Systemic release of endotoxins induced by gentle mastication: association with periodontitis severity. Geerts SO, et al. 73
ENDOTOXINS
In vitro effect of laser irradiation on cementum-bound endotoxin isolated from periodontally diseased roots. Liu C-M, et al. 1260

Index

ENDOTOXINS/adverse effects
Inhibition of matrix metalloproteinase-mediated periodontal bone loss in rats: a comparison of 6 chemically modified tetracyclines. Ramamurthy NS, et al. 726
EPITHELIAL ATTACHMENT/pathophysiology
An organoleptic in vitro model that mimics the dento-epithelial junction. Oksanen J, et al. 86
EPITHELIAL CELLS/growth
Effects of basic fibroblast growth factor on human gingival epithelial cells. Takayama S-I, et al. 1467
EPITHELIUM/growth and development
Effects of basic fibroblast growth factor on human gingival epithelial cells. Takayama S-I, et al. 1467
EPSTEIN-BARR VIRUS
Detection of human viruses in patients with chronic periodontitis and the relationship between viruses and clinical parameters. Saygun I, et al. 1437
ERRATA (all errata have been corrected in the online version of the *Journal*)
American Academy of Periodontology. 684 (2002;73:460)
Friedmann A, et al. 352 (2001;72:1616)
Velasquez-Plata, et al. 684 (2002;73:433)
Wei P-C, et al. 684 (2002;73:257)
ESTRADIOL/therapeutic use
The modulation of androgen metabolism by estradiol, minocycline, and indomethacin in a cell culture model. Tilakaratne A, et al. 585
ESTROGEN DEFICIENCY/adverse effects
Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. Johnson RB, et al. 383
ESTROGEN REPLACEMENT THERAPY
The pattern of alveolar crest height change in healthy postmenopausal women after 3 years of hormone/estrogen replacement therapy. Hildebolt CF, et al. 1279
Relationships between clinical attachment level and spine and hip bone mineral density: data from healthy and postmenopausal women. Pilgram TK, et al. 298
ETHANOL/metabolism
Efficacy of chlorhexidine mouthrinses with and without alcohol: a clinical study. Borrajo JLL, et al. 317
ETHNIC GROUPS
Periodontopathic bacteria in young healthy subjects of different ethnic backgrounds in Los Angeles. Sirinian G, et al. 283
ETIDRONATE/therapeutic use
Bisphosphonates and periodontics: potential applications for regulation of bone mass in the periodontium and other therapeutic/diagnostic uses. Tenenbaum HC, et al. 813

F

FAMILY CHARACTERISTICS
The effect of shared genetic and environmental factors on periodontal disease parameters in untreated adult siblings in Guatemala. Dowsett SA, et al. 1160
FIBRILLIN
Severe periodontitis in Marfan's syndrome: a case report. Straub AM, et al. 823
FIBROBLASTS, GINGIVAL
Effects of serum on hepatocyte growth factor secretion and activation by periodontal ligament and gingival fibroblasts. Ohshima M, et al. 473
Expression of matrix metalloproteinases in cyclosporin-treated gingival fibroblasts is regulated by transforming growth factor (TGF)-β_1 autocrine stimulation. Cotrim P, et al. 1313
The modulation of androgen metabolism by estradiol, minocycline, and indomethacin in a cell culture model. Tilakaratne A, et al. 585
Nicotine modulation of in vitro human gingival fibroblast β_1 integrin expression. Snyder HB, et al. 505
FIBROBLASTS, GINGIVAL/physiology
Human gingival fibroblasts produce nitric oxide in response to proinflammatory cytokines. Daghigh F, et al. 392
FIBROBLASTS, PERIODONTAL
Effects of serum on hepatocyte growth factor secretion and activation by periodontal ligament and gingival fibroblasts. Ohshima M, et al. 473
Expression and activity of hyaluronidase in human periodontal ligament fibroblasts. Ohno S, et al. 1331
Permeability of *Streptococcus mutans* and *Actinobacillus actinomycetemcomitans* through guided tissue regeneration membranes and their effects on attachment of periodontal ligament cells. Hung S-L, et al. 843
Strain relaxation of fibroblasts in the marginal periodontium is the common trigger for alveolar bone resorption: a novel hypothesis. Binderman I, et al. 1210
FIBRONECTINS
Specific fibronectin fragments as markers of periodontal disease status. Huynh QN, et al. 1101
FLUOCINONIDE/therapeutic use
Pyostomatitis vegetans as an early sign of reactivation of Crohn's disease: a case report. Ayangco L, et al. 1512
FLUORESCENCE
Subgingival calculus detection with fluorescence induced by 655 nm InGaAsP diode laser radiation. Folwaczny M, et al. 597

Index

FLUORESCENT ANTIBODY TECHNIQUE
Oral pemphigoid masquerading as necrotizing ulcerative gingivitis in a child. Musa NJ, et al. 657
FOLLOW-UP STUDIES
Aggressive periodontitis: 5-year follow-up of treatment. Buchmann R, et al. 675
Application of enamel matrix derivative in autotransplantation of an impacted maxillary premolar: a case report. Ninomiya M, et al. 346
Clinical comparison of an enamel matrix derivative used alone or in combination with a bovine-derived xenograft for the treatment of periodontal osseous defects in humans. Velasquez-Plata D, et al. 433; errata 684
Clinical and radiologic evaluation of periodontal intrabony defects treated with guided tissue regeneration. A pilot study. Joly JC, et al. 353
Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158
Comparison of clinical, radiographic, and histometric measurements following treatment with guided tissue regeneration or enamel matrix proteins in human periodontal defects. Windisch P, et al. 409
The effect of removable partial dentures on periodontal health of abutment and non-abutment teeth. Zlatarić DK, et al. 137
Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3
External root resorption following partial-thickness connective tissue graft placement: a case report. Hokett SD, et al. 334
Histological comparison of healing extraction sockets implanted with bioactive glass or demineralized freeze-dried bone allograft: a pilot study. Froum S, et al. 94
Influence of the size of the microgap on crestal bone levels in non-submerged dental implants: a radiographic study in the canine mandible. King GN, et al. 1111
Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. II. A case series of infrabony defects. Kim T-S, et al. 450
New biomarker evidence on oxidative DNA damage in whole saliva from clinically healthy and periodontally diseased individuals. Takane M, et al. 551
Periodontal changes in liver cirrhosis and post-transplantation patients. II: Radiographic findings. Oettinger-Barak O, et al. 313
Predicting tooth loss during a population-based study: role of attachment level in the presence of other dental conditions. Gilbert GH, et al. 1427
The prognostic value of several periodontal factors measured as radiographic bone level variation: a 10-year retrospective multilevel analysis of treated and maintained periodontal patients. Nieri M, et al. 1485
Radiographic and histologic evaluation of a sinus augmentation with composite bone graft: a clinical case report. Armand S, et al. 1082
Serendipitous diagnosis of protein S deficiency. Aguirre A, et al. 1197
Sinus floor augmentation at the time of maxillary molar extraction: success and failure rates of 137 implants in function up to 3 years. Fugazzotto PA, et al. 39
Subpedicle acellular dermal matrix graft and autogenous connective tissue graft in the treatment of gingival recessions: a comparative 1-year clinical study. Paolantonio M, et al. 1299
Thirty-six month follow-up of 25 patients treated with combination anorganic bovine-derived hydroxyapatite matrix (ABM)/cell-binding peptide (P-15) bone replacement grafts in human infrabony defects. I. Clinical findings. Yukna RA, et al. 123
A 3-year longitudinal evaluation of subpedicle free connective tissue graft for gingival recession coverage. Lee Y-M, et al. 1412
FOREIGN BODIES/complications
Tongue piercing: impact of time and barbell stem length on lingual gingival recession and tooth chipping. Campbell A, et al. 289
FULL-MOUTH ASSESSMENT
The applicability of half-mouth examination to periodontal disease assessment in untreated adult populations. Dowsett SA, et al. 975
Partial- and full-mouth approaches to assessing the prevalence and risk factors for periodontal disease in young adults. Thomson WM, et al. 1010
FURCATION/diagnosis
Probing bone level measurements for determination of the depths of Class II furcation defects. Suh Y-I, et al. 637
FURCATION/etiology
Prevalence and severity of periodontal disease at mandibular molar teeth in smokers wih regular oral hygiene habits. Kerdvongbundit V, et al. 735
FURCATION/surgery
Alveolar bone upper growth in furcation area using a combined orthodontic-regenerative therapy: a case report. Ogihara S, et al. 1522

Index

FURCATION/therapy
Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3
Medical grade calcium sulfate hemihydrate versus expanded polytetrafluoroethylene in the treatment of mandibular Class II furcations. Couri CJ, et al. 1352

G

GENES
Severe periodontitis in Marfan's syndrome: a case report. Straub AM, et al. 823
GENETIC COUNSELING
Treatment of periodontal disease in a patient with Ehlers-Danlos syndrome. A case report and literature review. Perez L, et al. 564
GENETIC FACTORS
A novel mutation of the cathepsin C gene in Papillon-Lefèvre syndrome. Cury VF, et al. 307
GENETICS, POPULATION
The effect of shared genetic and environmental factors on periodontal disease parameters in untreated adult siblings in Guatemala. Dowsett SA, et al. 1160
GENOTYPES
The cost-effectiveness of interleukin-1 genetic testing for periodontal disease. Higashi MK, et al. 1474
A critical assessment of interleukin-1 (IL-1) genotyping when used in a genetic susceptibility test for severe chronic periodontitis. Greenstein G, et al. 231
Fcγ receptor genes as risk markers for localized aggressive periodontitis in African-Americans. Fu Y, et al. 517
The prognostic value of several periodontal factors measured as radiographic bone level variation: a 10-year retrospective multilevel analysis of treated and maintained periodontal patients. Nieri M, et al. 1485
GINGIVA/anatomy and histology
Acellular dermal matrix allografts to achieve increased attached gingiva. Part 2. A histological comparative study. Wei P-C, et al. 257; errata 684
Distraction osteogenesis and histogenesis in beagle dogs: the effect of gradual mandibular osteodistraction on bone and gingiva. Cope JB, et al. 271
Evaluation of frozen subepithelial connective tissue grafts to increase the zone of attached gingiva. Report of 5 cases. Soileau KM, et al. 220
Function of laminins and laminin-binding integrins in gingival epithelial cell adhesion. Pakkala T, et al. 709
Microscopic, immunocytochemical, and ultrastructural properties of peri-implant mucosa in humans. Marchetti C, et al. 555
Vascular endothelial growth factor and transforming growth factor-α and -β_1 are released from human cultured gingival epithelial sheets. Momose M, et al. 748
GINGIVA/injuries
Tongue piercing: impact of time and barbell stem length on lingual gingival recession and tooth chipping. Campbell A, et al. 289
GINGIVA/metabolism
Cytokine regulation of gingival fibroblast lysyl oxidase, collagen, and elastin. Hong H-H, et al. 145
GINGIVA/pathophysiology
Macrophage subpopulations in gingival overgrowth induced by nifedipine and immunosuppressive medication. Nurmenniemi PK, et al. 1323
GINGIVA/physiology
Microscopic, immunocytochemical, and ultrastructural properties of peri-implant mucosa in humans. Marchetti C, et al. 555
GINGIVA/surgery
American Academy of Periodontology statement regarding gingival curettage. 1229
GINGIVAL CREVICULAR FLUID/analysis
The effect of subgingival controlled-release delivery of chlorhexidine chip on clinical parameters and matrix metalloproteinase-8 levels in gingival crevicular fluid. Azmak N, et al. 608
Effects of phase I periodontal treatment on gingival crevicular fluid levels of matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1. Tüter G, et al. 487
Gingival crevicular fluid matrix metalloproteinase-8 levels following adjunctive use of meloxicam and initial phase of periodontal therapy. Buduneli N, et al. 103
Isotypic antibody response to plaque anaerobes in periodontal disease. Plombas M, et al. 1507
Level of neopterin, a marker of immune cell activation in gingival crevicular fluid, saliva, and urine in patients with aggressive periodontitis. Ozmeriç N, et al. 720
Resolution of crevicular fluid leukocyte activity in patients treated for aggressive periodontal disease. Buchmann R, et al. 995
Specific fibronectin fragments as markers of periodontal disease status. Huynh QN, et al. 1101
Treatment of periodontal disease in a patient with Ehlers-Danlos syndrome. A case report and literature review. Perez L, et al. 564

Index

GINGIVAL DISEASES/diagnosis
Primary extranodal malignant lymphoma affecting the periodontium. Mealey BL, et al. 937
GINGIVAL DISEASES/microbiology
Isotypic antibody response to plaque anaerobes in periodontal disease. Plombas M, et al. 1507
GINGIVAL DISEASES/prevention and control
Itraconazole prophylaxis for invasive gingival aspergillosis in neutropenic patients with acute leukemia. Myoken Y, et al. 33
GINGIVAL HYPERPLASIA/etiology
Macrophage subpopulations in gingival overgrowth induced by nifedipine and immunosuppressive medication. Nurmenniemi PK, et al. 1323
Nifedipine induces gingival epithelial hyperplasia in rats through inhibition of apoptosis. Shimizu Y, et al. 861
Oral manifestations of acute myelomonocytic leukemia: a case report and review of the classification of leukemias. Wu J, et al. 664
Treatment of gingival overgrowth induced by manidipine administration. A case report. Ikawa K, et al. 115
GINGIVAL HYPERPLASIA/pathogenesis
Evaluation of matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1 levels in gingival fibroblasts of cyclosporin A-treated patients. Tüter G, et al. 1273
Expression of matrix metalloproteinases in cyclosporin-treated gingival fibroblasts is regulated by transforming growth factor (TGF)-β_1 autocrine stimulation. Cotrim P, et al. 1313
Immunohistochemical analysis of lymphocyte subpopulations in cyclosporin A-induced gingival overgrowth. Bulut S, et al. 892
GINGIVAL HYPERPLASIA/physiology
Nifedipine induces gingival epithelial hyperplasia in rats through inhibition of apoptosis. Shimizu Y, et al. 861
GINGIVAL INDEX
Treatment of gingival overgrowth induced by manidipine administration. A case report. Ikawa K, et al. 115
GINGIVAL NEOPLASMS
Large cell carcinoma of the lung metastatic to the mandibular gingiva. Yoshii T, et al. 571
GINGIVAL RECESSION/diagnosis
Partial- and full-mouth approaches to assessing the prevalence and risk factors for periodontal disease in young adults. Thomson WM, et al. 1010
GINGIVAL RECESSION/etiology
Tongue piercing: impact of time and barbell stem length on lingual gingival recession and tooth chipping. Campbell A, et al. 289
Viral etiology of gingival recession. A case report. Pini Prato G, et al. 110
GINGIVAL RECESSION/prevention and control
Six-month comparison of powered versus manual toothbrushing for safety and efficacy in the absence of professional instruction in mechanical plaque control. Dentino AR, et al. 770
GINGIVAL RECESSION/surgery
Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. Lee E-J, et al. 779
Coverage of previously carious roots is as predictable a procedure as coverage of intact roots. Goldstein M, et al. 1419
Histological evaluation of 4 cases of root coverage following a connective tissue graft combined with an enamel matrix derivative preparation. Carnio J, et al. 1534
Root coverage of advanced gingival recession: a comparative study between acellular dermal matrix allograft and subepithelial connective tissue grafts. Tal H, et al. 1405
Root coverage with connective tissue grafts: an evaluation of short- and long-term results. Harris RJ. 1054
Subpedicle acellular dermal matrix graft and autogenous connective tissue graft in the treatment of gingival recessions: a comparative 1-year clinical study. Paolantonio M, et al. 1299
A 3-year longitudinal evaluation of subpedicle free connective tissue graft for gingival recession coverage. Lee Y-M, et al. 1412
Treatment of gingival recessions by combined periodontal regenerative technique, guided tissue regeneration, and subpedicle connective tissue graft. A comparative clinical study. Paolantonio M. 53
GINGIVAL RECESSION/therapy
Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. Lee E-J, et al. 779
Coverage of previously carious roots is as predictable a procedure as coverage of intact roots. Goldstein M, et al. 1419
Root coverage of advanced gingival recession: a comparative study between acellular dermal matrix allograft and subepithelial connective tissue grafts. Tal H, et al. 1405
Root coverage with connective tissue grafts: an evaluation of short- and long-term results. Harris RJ. 1054
Subpedicle acellular dermal matrix graft and autogenous connective tissue graft in the treatment of gingival recessions: a comparative 1-year clinical study. Paolantonio M, et al. 1299
A 3-year longitudinal evaluation of subpedicle free connective tissue graft for gingival recession coverage. Lee Y-M, et al. 1412

Index

Treatment of gingival recessions by combined periodontal regenerative technique, guided tissue regeneration, and subpedicle connective tissue graft. A comparative clinical study. Paolantonio M. 53

GINGIVITIS

Periodontal assessment of patients undergoing angioplasty for treatment of coronary artery disease. Bazile A, et al. 631

GINGIVITIS/prevention and control

The effects of periodontal therapy on intracrevicular prostaglandin E_2 concentrations and clinical parameters in pregnancy. Yalcin F, et al. 173

Efficacy of chlorhexidine mouthrinses with and without alcohol: a clinical study. Borrajo JLL, et al. 317

Six-month comparison of powered versus manual toothbrushing for safety and efficacy in the absence of professional instruction in mechanical plaque control. Dentino AR, et al. 770

GINGIVITIS, NECROTIZING ULCERATIVE

Oral pemphigoid masquerading as necrotizing ulcerative gingivitis in a child. Musa NJ, et al. 657

GINGIVOSTOMATITIS

Acute streptococcal infection of the gingiva, lower lip, and pharynx—a case report. Katz J, et al. 1392

GLASS, BIOLOGICALLY ACTIVE

Clinical evaluation of an enamel matrix protein derivative combined with a bioactive glass for the treatment of intrabony periodontal defects in humans. Sculean A, et al. 401

Histological comparison of healing extraction sockets implanted with bioactive glass or demineralized freeze-dried bone allograft: a pilot study. Froum S, et al. 94

GLYCOLIDES/therapeutic use

Effect of polylactide/glycolide (PLGA) membranes loaded with metronidazole on periodontal regeneration following guided tissue regeneration in dogs. Kurtiş B, et al. 694

GRAFTS, BONE

Alveolar bone upper growth in furcation area using a combined orthodontic-regenerative therapy: a case report. Ogihara S, et al. 1522

A clinical comparison of a bovine-derived xenograft used alone and in combination with enamel matrix derivative for the treatment of periodontal osseous defects in humans. Scheyer ET, et al. 423

Clinical comparison of an enamel matrix derivative used alone or in combination with a bovine-derived xenograft for the treatment of periodontal osseous defects in humans. Velasquez-Plata D, et al. 433; erratum 684

Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158

Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. White C, Jr., et al. 1517

Comparative study of buccal dehiscence defects in immediate, delayed, and late maxillary implant placement with collagen membranes: clinical healing between placement and second-stage surgery. Nemcovsky CE, et al. 754

Comparison of platelet-rich plasma, bovine porous bone mineral, and guided tissue regeneration versus platelet-rich plasma and bovine porous bone mineral in the treatment of intrabony defects: a reentry study. Lekovic V, et al. 198

The effects of varying degrees of allograft decalcification on cultured porcine osteoclast cells. Herold RW, et al. 213

Evaluation of pluronic polyols as carriers for grafting materials: study in rat calvaria defects. Fowler EB, et al. 191

Histological comparison of healing extraction sockets implanted with bioactive glass or demineralized freeze-dried bone allograft: a pilot study. Froum S, et al. 94

Histomorphometrical analysis of bone formed after maxillary sinus floor augmentation by grafting with a combination autogenous bone and demineralized freeze-dried bone allograft or hydroxyapatite. Boeck-Neto RJ, et al. 266

Radiographic and histologic evaluation of a sinus augmentation with composite bone graft: a clinical case report. Armand S, et al. 1082

A retrospective case series comparing the use of demineralized freeze-dried bone allograft and freeze-dried bone allograft combined with enamel matrix derivative for the treatment of advanced osseous lesions. Rosen PS, et al. 942

Thirty-six month follow-up of 25 patients treated with combination anorganic bovine-derived hydroxyapatite matrix (ABM)/cell-binding peptide (P-15) bone replacement grafts in human infrabony defects. I. Clinical findings. Yukna RA, et al. 123

Treatment of gingival recessions by combined periodontal regenerative technique, guided tissue regeneration, and subpedicle connective tissue graft. A comparative clinical study. Paolantonio M. 53

GRAFTS, CONNECTIVE TISSUE

Evaluation of frozen subepithelial connective tissue grafts to increase the zone of attached gingiva. Report of 5 cases. Soileau KM, et al. 220

Index

External root resorption following partial-thickness connective tissue graft placement: a case report. Hokett SD, et al. 334

Histological evaluation of 4 cases of root coverage following a connective tissue graft combined with an enamel matrix derivative preparation. Carnio J, et al. 1534

Root coverage of advanced gingival recession: a comparative study between acellular dermal matrix allograft and subepithelial connective tissue grafts. Tal H, et al. 1405

Root coverage with connective tissue grafts: an evaluation of short- and long-term results. Harris RJ. 1054

Subpedicle acellular dermal matrix graft and autogenous connective tissue graft in the treatment of gingival recessions: a comparative 1-year clinical study. Paolantonio M, et al. 1299

A 3-year longitudinal evaluation of subpedicle free connective tissue graft for gingival recession coverage. Lee Y-M, et al. 1412

GRAFTS, CONNECTIVE TISSUE/complications

Formation of a cyst-like area after a connective tissue graft for root coverage. Harris RJ. 340

GRAFTS, GINGIVAL

Acellular dermal matrix allografts to achieve increased attached gingiva. Part 2. A histological comparative study. Wei P-C, et al. 257; erratum 684

Coverage of previously carious roots is as predictable a procedure as coverage of intact roots. Goldstein M, et al. 1419

Root coverage of advanced gingival recession: a comparative study between acellular dermal matrix allograft and subepithelial connective tissue grafts. Tal H, et al. 1405

Root coverage with connective tissue grafts: an evaluation of short- and long-term results. Harris RJ. 1054

GRAFTS, GINGIVAL/complications

Formation of a cyst-like area after a connective tissue graft for root coverage. Harris RJ. 340

GRAFTS, SOFT TISSUE

Acellular dermal matrix allografts to achieve increased attached gingiva. Part 2. A histological comparative study. Wei P-C, et al. 257; erratum 684

Root coverage with connective tissue grafts: an evaluation of short- and long-term results. Harris RJ. 1054

GRAFTS, SOFT TISSUE/complications

Formation of a cyst-like area after a connective tissue graft for root coverage. Harris RJ. 340

GRAFTS, SUBEPITHELIAL

Evaluation of frozen subepithelial connective tissue grafts to increase the zone of attached gingiva. Report of 5 cases. Soileau KM, et al. 220

GRANULOMA, PYOGENIC

Pathogenic roles of angiogenic factors in pyogenic granulomas in pregnancy are modulated by female sex hormones. Yuan K, et al. 701

GROWTH FACTOR ACTIVATION

Effects of serum on hepatocyte growth factor secretion and activation by periodontal ligament and gingival fibroblasts. Ohshima M, et al. 473

GROWTH FACTORS

Comparison of platelet-rich plasma, bovine porous bone mineral, and guided tissue regeneration versus platelet-rich plasma and bovine porous bone mineral in the treatment of intrabony defects: a reentry study. Lekovic V, et al. 198

GROWTH FACTORS, FIBROBLAST

Cytokine regulation of gingival fibroblast lysyl oxidase, collagen, and elastin. Hong H-H, et al. 145

Effects of basic fibroblast growth factor on human gingival epithelial cells. Takayama S-I, et al. 1467

Pathogenic roles of angiogenic factors in pyogenic granulomas in pregnancy are modulated by female sex hormones. Yuan K, et al. 701

GROWTH FACTORS, HEPATOCYTE

Effects of serum on hepatocyte growth factor secretion and activation by periodontal ligament and gingival fibroblasts. Ohshima M, et al. 473

GROWTH FACTORS, TRANSFORMING

Expression of matrix metalloproteinases in cyclosporin-treated gingival fibroblasts is regulated by transforming growth factor (TGF)-β_1 autocrine stimulation. Cotrim P, et al. 1313

Vascular endothelial growth factor and transforming growth factor-α and -β_1 are released from human cultured gingival epithelial sheets. Momose M, et al. 748

GROWTH FACTORS, VASCULAR ENDOTHELIAL

Pathogenic roles of angiogenic factors in pyogenic granulomas in pregnancy are modulated by female sex hormones. Yuan K, et al. 701

Vascular endothelial growth factor and transforming growth factor-α and -β_1 are released from human cultured gingival epithelial sheets. Momose M, et al. 748

GUIDED BONE REGENERATION

Bone regeneration of localized chronic alveolar defects utilizing cell binding peptide associated with anorganic bovine-derived bone mineral: a clinical and histological study. Barboza EP, et al. 1153

Clinical and radiologic evaluation of periodontal intrabony defects treated with guided tissue regeneration. A pilot study. Joly JC, et al. 353

Enamel matrix derivative and bone healing after guided bone regeneration in dehiscence-type defects around implants. A histomorphometric study in dogs. Casati MZ, et al. 789

Erratum. Friedmann A, et al. 352 (2001;72:1616)

Medical grade calcium sulfate hemihydrate versus expanded polytetrafluoroethylene in the treatment of mandibular Class II furcations. Couri CJ, et al. 1352
Osseous reconstruction using a membrane barrier following marginal mandibulectomy: an animal pilot study. Peled M, et al. 1451
GUIDED BONE REGENERATION/methods
Sinus floor augmentation at the time of maxillary molar extraction: success and failure rates of 137 implants in function up to 3 years. Fugazzotto PA, et al. 39
GUIDED TISSUE REGENERATION
Clinical and radiologic evaluation of periodontal intrabony defects treated with guided tissue regeneration. A pilot study. Joly JC, et al. 353
Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158
Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. White C, Jr., et al. 1517
Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. Lee E-J, et al. 779
Comparison of clinical, radiographic, and histometric measurements following treatment with guided tissue regeneration or enamel matrix proteins in human periodontal defects. Windisch P, et al. 409
Comparison of platelet-rich plasma, bovine porous bone mineral, and guided tissue regeneration versus platelet-rich plasma and bovine porous bone mineral in the treatment of intrabony defects: a reentry study. Lekovic V, et al. 198
Effect of polylactide/glycolide (PLGA) membranes loaded with metronidazole on periodontal regeneration following guided tissue regeneration in dogs. Kurtiş B, et al. 694
Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3
Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. II. A case series of infrabony defects. Kim T-S, et al. 450
Permeability of *Streptococcus mutans* and *Actinobacillus actinomycetemcomitans* through guided tissue regeneration membranes and their effects on attachment of periodontal ligament cells. Hung S-L, et al. 843
A retrospective case series comparing the use of demineralized freeze-dried bone allograft and freeze-dried bone allograft combined with enamel matrix derivative for the treatment of advanced osseous lesions. Rosen PS, et al. 942
Treatment of gingival recessions by combined periodontal regenerative technique, guided tissue regeneration, and subpedicle connective tissue graft. A comparative clinical study. Paolantonio M. 53

H

HALITOSIS/etiology
The relationship of oral malodor in patients with or without periodontal disease. Figueiredo LC, et al. 1338
HAND-SCHULLER-CHRISTIAN SYNDROME
Langerhans' cell histiocytosis diagnosed through periodontal lesions: a case report. Muzzi L, et al. 1528
HEMORRHAGE/etiology
The effect of aspirin on the periodontal parameter bleeding on probing. Schrodi J, et al. 871
HEPARATIN SULFATE
Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. White C, Jr., et al. 1517
Effects of basic fibroblast growth factor on human gingival epithelial cells. Takayama S-I, et al. 1467
HEREDITARY DISEASES/ethnology
The effect of shared genetic and environmental factors on periodontal disease parameters in untreated adult siblings in Guatemala. Dowsett SA, et al. 1160
HERPES SIMPLEX VIRUS
Detection of human viruses in patients with chronic periodontitis and the relationship between viruses and clinical parameters. Saygun I, et al. 1437
HERPES VIRUS
An update on HIV and periodontal disease. Ryder MI. 1071
HERPES VIRUS 1, HUMAN
Viral etiology of gingival recession. A case report. Pini Prato G, et al. 110
HISTIOCYTOSIS, LANGERHANS' CELL
Langerhans' cell histiocytosis diagnosed through periodontal lesions: a case report. Muzzi L, et al. 1528
HISTOGENESIS, DISTRACTION
Distraction osteogenesis and histogenesis in beagle dogs: the effect of gradual mandibular osteodistraction on bone and gingiva. Cope JB, et al. 271
HIV
An update on HIV and periodontal disease. Ryder MI. 1071
HIV INFECTIONS
IgG subclass specific antibody response to periodontopathic organisms in HIV-positive patients. Yeung SCH, et al. 1444

Index

HORMONE REPLACEMENT THERAPY, POSTMENOPAUSAL
The pattern of alveolar crest height change in healthy postmenopausal women after 3 years of hormone/estrogen replacement therapy. Hildebolt CF, et al. 1279
HORMONES, STEROID
The modulation of androgen metabolism by estradiol, minocycline, and indomethacin in a cell culture model. Tilakaratne A, et al. 585
HOST RESPONSE
Adjunctive benefits of subantimicrobial dose doxycycline in the management of severe, generalized, chronic periodontitis. Novak MJ, et al. 762
Modulation of the host response in periodontal therapy. Informational paper. American Academy of Periodontology. 460; erratum 684
HYALURONAN/physiology
Expression and activity of hyaluronidase in human periodontal ligament fibroblasts. Ohno S, et al. 1331
HYALURONIDASE/physiology
Expression and activity of hyaluronidase in human periodontal ligament fibroblasts. Ohno S, et al. 1331
HYDROXYAPATITE/therapeutic use
Evaluation of the titanium Ti-6A1-7Nb alloy with and without plasma-sprayed hydroxyapatite coating on growth and viability of cultured osteoblast-like cells. Lavos-Valereto I de C, et al. 900
Histomorphometrical analysis of bone formed after maxillary sinus floor augmentation by grafting with a combination autogenous bone and demineralized freeze-dried bone allograft or hydroxyapatite. Boëck-Neto RJ, et al. 266
Thirty-six month follow-up of 25 patients treated with combination anorganic bovine-derived hydroxyapatite matrix (ABM)/cell-binding peptide (P-15) bone replacement grafts in human infrabony defects. I. Clinical findings. Yukna RA, et al. 123
8-HYDROXYGUANOSINE/analysis
New biomarker evidence on oxidative DNA damage in whole saliva from clinically healthy and periodontally diseased individuals. Takane M, et al. 551
HYPERSENSITIVITY, DELAYED
The role of CD4+ cells in vivo on the induction of the immune response to *Porphyromonas gingivalis* in mice. Sosroseno W, et al. 1133

I

IMMUNE RESPONSE
Lamina propria dendritic cells express activation markers and contact lymphocytes in chronic periodontitis. Cirrincione C, et al. 45
Modulation of the host response in periodontal therapy. Informational paper. American Academy of Periodontology. 460; erratum 684
IMMUNE SYSTEM/physiopathology
Resolution of crevicular fluid leukocyte activity in patients treated for aggressive periodontal disease. Buchmann R, et al. 995
IMMUNOGLOBULINS
Isotypic antibody response to plaque anaerobes in periodontal disease. Plombas M, et al. 1507
IMMUNOSUPPRESSION/adverse effects
Macrophage subpopulations in gingival overgrowth induced by nifedipine and immunosuppressive medication. Nurmenniemi PK, et al. 1323
Periodontal changes in liver cirrhosis and post-transplantation patients. II: Radiographic findings. Oettinger-Barak O, et al. 313
INDOMETHACIN/therapeutic use
The modulation of androgen metabolism by estradiol, minocycline, and indomethacin in a cell culture model. Tilakaratne A, et al. 585
INFANT, LOW BIRTH WEIGHT
Periodontal therapy may reduce the risk of preterm low birth weight in women with periodontal disease: a randomized controlled trial. López NJ, et al. 911
Relationship between periodontal disease in pregnant women and the nutritional condition of their newborns. Romero BC, et al. 1177
INFANT, NEWBORN
Relationship between periodontal disease in pregnant women and the nutritional condition of their newborns. Romero BC, et al. 1177
INFANT, PREMATURE
Periodontal therapy may reduce the risk of preterm low birth weight in women with periodontal disease: a randomized controlled trial. López NJ, et al. 911
INFECTIONS, STREPTOCOCCAL
Acute streptococcal infection of the gingiva, lower lip, and pharynx—a case report. Katz J, et al. 1392
INFECTIONS, VIRAL
Acute streptococcal infection of the gingiva, lower lip, and pharynx—a case report. Katz J, et al. 1392
INFLAMMATION
Expression and activity of hyaluronidase in human periodontal ligament fibroblasts. Ohno S, et al. 1331
INFLAMMATION/etiology
Clinical response to 2 different therapeutic regimens to treat peri-implant mucositis. Porras R, et al. 1118

Index

INFLAMMATORY BOWEL DISEASES
Pyostomatitis vegetans as an early sign of reactivation of Crohn's disease: a case report. Ayangco L, et al. 1512
INFLAMMATORY RESPONSE
Modulation of the host response in periodontal therapy. Informational paper. American Academy of Periodontology. 460; erratum 684
An update on HIV and periodontal disease. Ryder MI. 1071
INTEGRINS
Function of laminins and laminin-binding integrins in gingival epithelial cell adhesion. Pakkala T, et al. 709
Nicotine modulation of in vitro human gingival fibroblast β_1 integrin expression. Snyder HB, et al. 505
INTERLEUKIN-1
The cost-effectiveness of interleukin-1 genetic testing for periodontal disease. Higashi MK, et al. 1474
Effect of locally delivered minocycline microspheres on markers of bone resorption. Oringer RJ, et al. 835
Expression and activity of hyaluronidase in human periodontal ligament fibroblasts. Ohno S, et al. 1331
In vitro effect of laser irradiation on cementum-bound endotoxin isolated from periodontally diseased roots. Liu C-M, et al. 1260
Pathogenic roles of angiogenic factors in pyogenic granulomas in pregnancy are modulated by female sex hormones. Yuan K, et al. 701
The prognostic value of several periodontal factors measured as radiographic bone level variation: a 10-year retrospective multilevel analysis of treated and maintained periodontal patients. Nieri M, et al. 1485
Smoking and polymorphisms of the interleukin-1 gene cluster (IL-1α, IL-1β, and IL-1RN) in patients with periodontal disease. Meisel P, et al. 27
INTERLEUKIN-6
The role of soluble interleukin (IL)-6 receptor in mediating the effects of IL-6 on matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1 expression by gingival fibroblasts. Irwin CR, et al. 741
IRON BINDING
Lactoferrin iron levels affect attachment of *Actinobacillus actinomycetemcomitans* to buccal epithelial cells. Fine DH, et al. 616
Lactoferrin iron levels are reduced in saliva of patients with localized aggressive periodontitis. Fine DH, et al. 624
ITRACONAZOLE/therapeutic use
Itraconazole prophylaxis for invasive gingival aspergillosis in neutropenic patients with acute leukemia. Myoken Y, et al. 33

J

JOURNAL OF PERIODONTOLOGY
Instructions to authors. 129
Journal Watch. 1, 249, 471, 685, 973, 1251

K

KERATOME, PALMOPLANTAR
A novel mutation of the cathepsin C gene in Papillon-Lefèvre syndrome. Cury VF, et al. 307

L

LACTOFERRIN/therapeutic use
Lactoferrin iron levels affect attachment of *Actinobacillus actinomycetemcomitans* to buccal epithelial cells. Fine DH, et al. 616
Lactoferrin iron levels are reduced in saliva of patients with localized aggressive periodontitis. Fine DH, et al. 624
LAMININ
Function of laminins and laminin-binding integrins in gingival epithelial cell adhesion. Pakkala T, et al. 709
A study of the initial attachment and subsequent behavior of rat oral epithelial cells cultured on titanium. Shiraiwa M, et al. 852
LASER SURGERY
Scanning electron microscopy and Fourier transformed infrared spectroscopy analysis of bone removal using Er:YAG and CO_2 lasers. Sasaki KM, et al. 643
LASERS
Lasers in periodontics. American Academy of Periodontology. 1231
Subgingival calculus detection with fluorescence induced by 655 nm InGaAsP diode laser radiation. Folwaczny M, et al. 597
LASERS/adverse effects
Root surface morphological changes after focused versus defocused CO_2 laser irradiation: a scanning electron microscopy analysis. Barone A, et al. 370
LASERS/therapeutic use
Bactericidal effect of the Er:YAG laser on dental implant surfaces: an in vitro study. Kreisler M, et al. 1292
Effects of CO_2 laser treatment on fibroblast attachment to root surfaces. A scanning electron microscopy analysis. Crespi R, et al. 1308
Er:YAG laser scaling of diseased root surfaces. Frentzen M, et al. 524
In vitro effect of laser irradiation on cementum-bound endotoxin isolated from periodontally diseased roots. Liu C-M, et al. 1260

Index

LETTERS TO THE EDITOR. 832, 1227, 1553
LEUKEMIA
Itraconazole prophylaxis for invasive gingival aspergillosis in neutropenic patients with acute leukemia. Myoken Y, et al. 33
LEUKEMIA, MYELOCYTIC, ACUTE
Oral manifestations of acute myelomonocytic leukemia: a case report and review of the classification of leukemias. Wu J, et al. 664
LIMULUS AMEBOCYTE ASSAY
In vitro effect of laser irradiation on cementum-bound endotoxin isolated from periodontally diseased roots. Liu C-M, et al. 1260
LIP/injuries
Tongue piercing: impact of time and barbell stem length on lingual gingival recession and tooth chipping. Campbell A, et al. 289
LIPOPROTEINS
Association between periodontal pockets and elevated cholesterol and low dentisty lipoprotein cholesterol levels. Katz J, et al. 494
LITERATURE, REVIEW
Factors that modulate the effects of bone morphogenetic protein-induced periodontal regeneration: a critical review. King GN, et al. 925
Helmut A. Zander, DDS, MS: publications and abstracts (1938-1983). Vandersall DC, et al. 1216
Rationale for use of antibiotics in periodontics. Walker C, et al. 1188
Treatment of intrabony periodontal defects with enamel matrix derivative: a literature review. Kalpidis CDR, et al. 1360
Treatment of periodontal disease in a patient with Ehlers-Danlos syndrome. A case report and literature review. Perez L, et al. 564
An update on HIV and periodontal disease. Ryder MI. 1071
LIVER CIRRHOSIS/complications
Periodontal changes in liver cirrhosis and post-transplantation patients. II: Radiographic findings. Oettinger-Barak O, et al. 313
LIVER TRANSPLANTATION/complications
Periodontal changes in liver cirrhosis and post-transplantation patients. II: Radiographic findings. Oettinger-Barak O, et al. 313
LUNG NEOPLASMS
Large cell carcinoma of the lung metastatic to the mandibular gingiva. Yoshii T, et al. 571
LYMPHOCYTIC MEDIATORS
Lamina propria dendritic cells express activation markers and contact lymphocytes in chronic periodontitis. Cirrincione C, et al. 45
LYMPHOMA/diagnosis
Primary extranodal malignant lymphoma affecting the periodontium. Mealey BL, et al. 937
LYMPHOMA, NON-HODGKIN'S/diagnosis
Primary extranodal malignant lymphoma affecting the periodontium. Mealey BL, et al. 937
LYSYL OXIDASE/physiology
Cytokine regulation of gingival fibroblast lysyl oxidase, collagen, and elastin. Hong H-H, et al. 145

M

MACROPHAGES
Macrophage subpopulations in gingival overgrowth induced by nifedipine and immunosuppressive medication. Nurmenniemi PK, et al. 1323
MANDIBULAR NEOPLASMS/surgery
Large cell carcinoma of the lung metastatic to the mandibular gingiva. Yoshii T, et al. 571
Osseous reconstruction using a membrane barrier following marginal mandibulectomy: an animal pilot study. Peled M, et al. 1451
MANIDIPINE/adverse effects
Treatment of gingival overgrowth induced by manidipine administration. A case report. Ikawa K, et al. 115
MARFAN SYNDROME
Severe periodontitis in Marfan's syndrome: a case report. Straub AM, et al. 823
MARKERS
Fcγ receptor genes as risk markers for localized aggressive periodontitis in African-Americans. Fu Y, et al. 517
Lamina propria dendritic cells express activation markers and contact lymphocytes in chronic periodontitis. Cirrincione C, et al. 45
New biomarker evidence on oxidative DNA damage in whole saliva from clinically healthy and periodontally diseased individuals. Takane M, et al. 551
MASTICATION
Maximal bite force in patients with reduced periodontal tissue support with and without splinting. Kleinfelder JW, et al. 1184
Systemic release of endotoxins induced by gentle mastication: association with periodontitis severity. Geerts SO, et al. 73
MATRIX, ACELLULAR DERMAL
Acellular dermal matrix allografts to achieve increased attached gingiva. Part 2. A histological comparative study. Wei P-C, et al. 257; erratum 684
Subpedicle acellular dermal matrix graft and autogenous connective tissue graft in the treatment of gingival recessions: a comparative 1-year clinical study. Paolantonio M, et al. 1299
MAXILLARY SINUS/surgery
Radiographic and histologic evaluation of a sinus augmentation with composite bone graft: a clinical case report. Armand S, et al. 1082

Index

Sinus floor augmentation at the time of maxillary molar extraction: success and failure rates of 137 implants in function up to 3 years. Fugazzotto PA, et al. 39

MAXILLARY SINUS AUGMENTATION

Histomorphometrical analysis of bone formed after maxillary sinus floor augmentation by grafting with a combination autogenous bone and demineralized freeze-dried bone allograft or hydroxyapatite. Boëck-Neto RJ, et al. 266

Radiographic and histologic evaluation of a sinus augmentation with composite bone graft: a clinical case report. Armand S, et al. 1082

MELOXICAM/therapeutic use

Gingival crevicular fluid matrix metalloproteinase-8 levels following adjunctive use of meloxicam and initial phase of periodontal therapy. Buduneli N, et al. 103

MEMBRANES, ARTIFICIAL

Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3

Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. II. A case series of infrabony defects. Kim T-S, et al. 450

Osseous reconstruction using a membrane barrier following marginal mandibulectomy: an animal pilot study. Peled M, et al. 1451

Permeability of *Streptococcus mutans* and *Actinobacillus actinomycetemcomitans* through guided tissue regeneration membranes and their effects on attachment of periodontal ligament cells. Hung S-L, et al. 843

MEMBRANES, BARRIER

Alveolar bone upper growth in furcation area using a combined orthodontic-regenerative therapy: a case report. Ogihara S, et al. 1522

Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158

Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. White C, Jr., et al. 1517

Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. Lee E-J, et al. 779

Comparative study of buccal dehiscence defects in immediate, delayed, and late maxillary implant placement with collagen membranes: clinical healing between placement and second-stage surgery. Nemcovsky CE, et al. 754

Comparison of clinical, radiographic, and histometric measurements following treatment with guided tissue regeneration or enamel matrix proteins in human periodontal defects. Windisch P, et al. 409

Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3

Erratum. Friedmann A, et al. 352 (2001; 72:1616)

Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. II. A case series of infrabony defects. Kim T-S, et al. 450

Medical grade calcium sulfate hemihydrate versus expanded polytetrafluoroethylene in the treatment of mandibular Class II furcations. Couri CJ, et al. 1352

Osseous reconstruction using a membrane barrier following marginal mandibulectomy: an animal pilot study. Peled M, et al. 1451

Permeability of *Streptococcus mutans* and *Actinobacillus actinomycetemcomitans* through guided tissue regeneration membranes and their effects on attachment of periodontal ligament cells. Hung S-L, et al. 843

MEMBRANES, BIOABSORBABLE

Alveolar bone upper growth in furcation area using a combined orthodontic-regenerative therapy: a case report. Ogihara S, et al. 1522

Bone regeneration of localized chronic alveolar defects utilizing cell binding peptide associated with anorganic bovine-derived bone mineral: a clinical and histological study. Barboza EP, et al. 1153

Clinical and radiologic evaluation of periodontal intrabony defects treated with guided tissue regeneration. A pilot study. Joly JC, et al. 353

Combined periodontal regenerative technique in human intrabony defects by collagen membranes and anorganic bovine bone. A controlled clinical study. Paolantonio M. 158

Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. White C, Jr., et al. 1517

Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. Lee E-J, et al. 779

Comparative study of buccal dehiscence defects in immediate, delayed, and late maxillary implant placement with collagen membranes: clinical healing between placement and second-stage surgery. Nemcovsky CE, et al. 754

Comparison of clinical, radiographic, and histometric measurements following treatment with

Index

guided tissue regeneration or enamel matrix proteins in human periodontal defects. Windisch P, et al. 409

Effect of polylactide/glycolide (PLGA) membranes loaded with metronidazole on periodontal regeneration following guided tissue regeneration in dogs. Kurtiş B, et al. 694

Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. II. A case series of infrabony defects. Kim T-S, et al. 450

Medical grade calcium sulfate hemihydrate versus expanded polytetrafluoroethylene in the treatment of mandibular Class II furcations. Couri CJ, et al. 1352

META-ANALYSIS

Treatment of intrabony periodontal defects with enamel matrix derivative: a literature review. Kalpidis CDR, et al. 1360

METALLOPROTEINASE TISSUE INHIBITORS, MATRIX

Effects of phase I periodontal treatment on gingival crevicular fluid levels of matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1. Tüter G, et al. 487

Evaluation of matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1 levels in gingival fibroblasts of cyclosporin A-treated patients. Tüter G, et al. 1273

Expression of matrix metalloproteinases in cyclosporin-treated gingival fibroblasts is regulated by transforming growth factor (TGF)-β_1 autocrine stimulation. Cotrim P, et al. 1313

METALLOPROTEINASES, MATRIX

The effect of subgingival controlled-release delivery of chlorhexidine chip on clinical parameters and matrix metalloproteinase-8 levels in gingival crevicular fluid. Azmak N, et al. 608

Effects of phase I periodontal treatment on gingival crevicular fluid levels of matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1. Tüter G, et al. 487

Evaluation of matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1 levels in gingival fibroblasts of cyclosporin A-treated patients. Tüter G, et al. 1273

Expression of matrix metalloproteinases in cyclosporin-treated gingival fibroblasts is regulated by transforming growth factor (TGF)-β_1 autocrine stimulation. Cotrim P, et al. 1313

Gingival crevicular fluid matrix metalloproteinase-8 levels following adjunctive use of meloxicam and initial phase of periodontal therapy. Buduneli N, et al. 103

Inhibition of matrix metalloproteinase-mediated periodontal bone loss in rats: a comparison of 6 chemically modified tetracyclines. Ramamurthy NS, et al. 726

Inhibition of proteolytic, serpinolytic, and progelatinase-B activation activities of periodontopathogens by doxycycline and non-antimicrobial chemically modified tetracycline derivatives. Grenier D, et al. 79

Modulation of the host response in periodontal therapy. Informational paper. American Academy of Periodontology. 460; erratum 684

The role of soluble interleukin (IL)-6 receptor in mediating the effects of IL-6 on matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1 expression by gingival fibroblasts. Irwin CR, et al. 741

METRONIDAZOLE/therapeutic use

Alveolar bone upper growth in furcation area using a combined orthodontic-regenerative therapy: a case report. Ogihara S, et al. 1522

Effect of polylactide/glycolide (PLGA) membranes loaded with metronidazole on periodontal regeneration following guided tissue regeneration in dogs. Kurtiş B, et al. 694

MINOCYCLINE/therapeutic use

Alveolar bone upper growth in furcation area using a combined orthodontic-regenerative therapy: a case report. Ogihara S, et al. 1522

Comparison of conventional periodontal maintenance versus scaling and root planing with subgingival minocycline. Meinberg TA, et al. 167

An in vitro model of ciprofloxacin and minocycline transport by oral epithelial cells. Brayton JJ, et al. 1267

The modulation of androgen metabolism by estradiol, minocycline, and indomethacin in a cell culture model. Tilakaratne A, et al. 585

MODELS, ANIMAL

Genetic dependence of the specific T-cell cytokine response to *Porphyromonas gingivalis* in mice. Gemmell E, et al. 591

MODELS, BIOLOGICAL

The cost-effectiveness of interleukin-1 genetic testing for periodontal disease. Higashi MK, et al. 1474

An in vitro model of ciprofloxacin and minocycline transport by oral epithelial cells. Brayton JJ, et al. 1267

The modulation of androgen metabolism by estradiol, minocycline, and indomethacin in a cell culture model. Tilakaratne A, et al. 585

An organoleptic in vitro model that mimics the dento-epithelial junction. Oksanen J, et al. 86

MODELS, STATISTICAL

Predicting tooth loss during a population-based study: role of attachment level in the presence of other dental conditions. Gilbert GH, et al. 1427

Index

MOLAR
Prevalence and severity of periodontal disease at mandibular molar teeth in smokers with regular oral hygiene habits. Kerdvongbundit V, et al. 735
Sinus floor augmentation at the time of maxillary molar extraction: success and failure rates of 137 implants in function up to 3 years. Fugazzotto PA, et al. 39
MONOCYTES
In vitro effect of laser irradiation on cementum-bound endotoxin isolated from periodontally diseased roots. Liu C-M, et al. 1260
MOUTH LESIONS
Pyostomatitis vegetans as an early sign of reactivation of Crohn's disease: a case report. Ayangco L, et al. 1512
MOUTH MUCOSA/anatomy and histology
Microscopic, immunocytochemical, and ultrastructural properties of peri-implant mucosa in humans. Marchetti C, et al. 555
MOUTH MUCOSA/physiology
Microscopic, immunocytochemical, and ultrastructural properties of peri-implant mucosa in humans. Marchetti C, et al. 555
MOUTHWASHES/therapeutic use
Efficacy of chlorhexidine mouthrinses with and without alcohol: a clinical study. Borrajo JLL, et al. 317
Full-mouth therapy versus individual quadrant root planing: a critical commentary. Greenstein G. 797
MUCOUS DISEASES/therapy
Clinical response to 2 different therapeutic regimens to treat peri-implant mucositis. Porras R, et al. 1118
MUCOUS MEMBRANE/microbiology
Clinical response to 2 different therapeutic regimens to treat peri-implant mucositis. Porras R, et al. 1118
MULTIPLE SCLEROSIS/microbiology
Effects of *Porphyromonas gingivalis* on the central nervous system: activation of glial cells and exacerbation of experimental autoimmune encephalomyelitis. Shapira L, et al. 511
MULTIPLE SCLEROSIS/pathogenesis
Effects of *Porphyromonas gingivalis* on the central nervous system: activation of glial cells and exacerbation of experimental autoimmune encephalomyelitis. Shapira L, et al. 511
MURINE
Effects of simvastatin gels on murine calvarial bone. Thylin MR, et al. 1141
MYOBLASTS
Effect of enamel matrix derivative on the differentiation of C2C12 cells. Ohyama M, et al. 543

N

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY III
The role of cigarette smoking in the association between periodontal disease and coronary heart disease. Hyman JJ, et al. 988
NEOPLASM METASTASIS
Large cell carcinoma of the lung metastatic to the mandibular gingiva. Yoshii T, et al. 571
NEOPLASMS, SQUAMOUS CELL
Squamous odontogenic tumor: diagnosis and management. Haghighat K, et al. 653
NEOPTERIN
Level of neopterin, a marker of immune cell activation in gingival crevicular fluid, saliva, and urine in patients with aggressive periodontitis. Ozmeriç N, et al. 720
NEUTROPENIA
Itraconazole prophylaxis for invasive gingival aspergillosis in neutropenic patients with acute leukemia. Myoken Y, et al. 33
NEUTROPHILS
Resolution of crevicular fluid leukocyte activity in patients treated for aggressive periodontal disease. Buchmann R, et al. 995
NICOTINE
Influence of nicotine administration on different implant surfaces: a histometric study in rabbits. Stefani CM, et al. 206
NICOTINE/adverse effects
Nicotine modulation of in vitro human gingival fibroblast β_1 integrin expression. Snyder HB, et al. 505
NIFEDIPINE/adverse effects
Macrophage subpopulations in gingival overgrowth induced by nifedipine and immunosuppressive medication. Nurmenniemi PK, et al. 1323
Nifedipine induces gingival epithelial hyperplasia in rats through inhibition of apoptosis. Shimizu Y, et al. 861
NIFEDIPINE/physiology
Cytokine regulation of gingival fibroblast lysyl oxidase, collagen, and elastin. Hong H-H, et al. 145
NITRIC ACID
Human gingival fibroblasts produce nitric oxide in response to proinflammatory cytokines. Daghigh F, et al. 392
NUTRITION, INFANT
Relationship between periodontal disease in pregnant women and the nutritional condition of their newborns. Romero BC, et al. 1177

Index

O

ODONTOGENIC CYSTS
Peripheral odontogenic keratocyst: a report of 2 cases. Ide F, et al. 1079
ODONTOGENIC TUMORS/diagnosis
Squamous odontogenic tumor: diagnosis and management. Haghighat K, et al. 653
ORAL HYGIENE
Adjunctive benefits of subantimicrobial dose doxycycline in the management of severe, generalized, chronic periodontitis. Novak MJ, et al. 762
The effect of socioeconomic status on periodontal conditions in pregnancy. Yalcin F, et al. 178
Full-mouth therapy versus individual quadrant root planing: a critical commentary. Greenstein G. 797
Oral hygiene practices and periodontitis in health care professionals. Merchant A, et al. 531
Prevalence and severity of periodontal disease at mandibular molar teeth in smokers with regular oral hygiene habits. Kerdvongbundit V, et al. 735
ORAL MANIFESTATIONS
Severe periodontitis in Marfan's syndrome: a case report. Straub AM, et al. 823
OSSEOINTEGRATION
Influence of nicotine administration on different implant surfaces: a histometric study in rabbits. Stefani CM, et al. 206
Intermittent cigarette smoke inhalation may affect bone volume around titanium implants in rats. Nociti FH, Jr., et al. 982
OSTEOBLASTS
Bisphosphonates and periodontics: potential applications for regulation of bone mass in the periodontium and other therapeutic/diagnostic uses. Tenenbaum HC, et al. 813
Effect of enamel matrix derivative on the differentiation of C2C12 cells. Ohyama M, et al. 543
The effect of recombinant human bone morphogenetic protein-4 on the osteoblastic differention of mouse calvarial cells affected by *Porphyromonas gingivalis*. Kim C-S, et al. 1126
OSTEOCLASTS
Bisphosphonates and periodontics: potential applications for regulation of bone mass in the periodontium and other therapeutic/diagnostic uses. Tenenbaum HC, et al. 813
The effects of varying degrees of allograft decalcification on cultured porcine osteoclast cells. Herold RW, et al. 213
Inhibition of matrix metalloproteinase-mediated periodontal bone loss in rats: a comparison of 6 chemically modified tetracyclines. Ramamurthy NS, et al. 726
Mediators of periodontal osseous destruction and remodeling: principles and implications for diagnosis and therapy. McCauley LK, et al. 1377
OSTEOGENESIS
Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020
Characterization of bone defect repair in young and aged rat femur induced by xenogenic demineralized bone matrix. Torricelli P, et al. 1003
The effect of recombinant human bone morphogenetic protein-4 on the osteoblastic differentiation of mouse calvarial cells affected by *Porphyromonas gingivalis*. Kim C-S, et al. 1126
Histocompatible healing of periodontal defects after application of an injectable calcium phosphate bone cement. A preliminary study in dogs. Shirakata Y, et al. 1043
OSTEOGENESIS, DISTRACTION
Distraction osteogenesis and histogenesis in beagle dogs: the effect of gradual mandibular osteodistraction on bone and gingiva. Cope JB, et al. 271
OSTEOPOROSIS/etiology
Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. Johnson RB, et al. 383
OUTCOME ASSESSMENT
Coverage of previously carious roots is as predictable a procedure as coverage of intact roots. Goldstein M, et al. 1419
A method to assess the clinical outcome of ridge augmentation procedures. Proussaefs PT, et al. 302
Microbiological markers for prediction of assessment of treatment outcome following non-surgical periodontal therapy. Fujise O, et al. 1253
Relationship between compliance and periodontal treatment outcome in smokers. Jansson LE, et al. 602
Relationship of clinical depression to periodontal treatment outcome. Elter JR, et al. 441
OVARIECTOMY/adverse effects
Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. Johnson RB, et al. 383

P

PAIN MEASUREMENT
Pain experienced by patients during periodontal maintenance treatment. Karadottir H, et al. 536
Patient perception of periodontal therapy completed in a periodontal practice. Fardal Ø, et al. 1060

Index

PAIN, POSTOPERATIVE
Patient perception of periodontal therapy completed in a periodontal practice. Fardal Ø, et al. 1060
PAIN THRESHOLD
Patient perception of periodontal therapy completed in a periodontal practice. Fardal Ø, et al. 1060
PAPILLON-LEFÈVRE SYNDROME
A novel mutation of the cathepsin C gene in Papillon-Lefèvre syndrome. Cury VF, et al. 307
PARTIAL-MOUTH ASSESSMENT
The applicability of half-mouth examination to periodontal disease assessment in untreated adult populations. Dowsett SA, et al. 975
Partial- and full-mouth approaches to assessing the prevalence and risk factors for periodontal disease in young adults. Thomson WM, et al. 1010
PATIENT CARE PLANNING
Clinical application of spiral tomography in anterior implant placement: case report. Dixon DR, et al. 1202
PATIENT COMPLIANCE
Relationship between compliance and periodontal treatment outcome in smokers. Jansson LE, et al. 602
PATIENT EXPECTATION
Comparison between patient expectation before and satisfaction after periodontal surgical treatment. Lee J-M, et al. 1037
PATIENT MANAGEMENT
Periodontal management of patients with cardiovascular diseases. American Academy of Periodontology. 954
PATIENT SATISFACTION
Comparison between patient expectation before and satisfaction after periodontal surgical treatment. Lee J-M, et al. 1037
Comparison of 2 retentive systems for implant-supported overdentures: soft tissue management and evaluation of patient satisfaction. Karabuda C, et al. 1067
Patient perception of periodontal therapy completed in a periodontal practice. Fardal Ø, et al. 1060
PEMPHIGOID, BENIGN MUCOUS MEMBRANE
Oral pemphigoid masquerading as necrotizing ulcerative gingivitis in a child. Musa NJ, et al. 657
PEMPHIGOID, BULLOUS
Oral pemphigoid masquerading as necrotizing ulcerative gingivitis in a child. Musa NJ, et al. 657
PEMPHIGOID, CHILDHOOD
Oral pemphigoid masquerading as necrotizing ulcerative gingivitis in a child. Musa NJ, et al. 657
PEPTIDES
Bone regeneration of localized chronic alveolar defects utilizing cell binding peptide associated with anorganic bovine-derived bone mineral: a clinical and histological study. Barboza EP, et al. 1153
Thirty-six month follow-up of 25 patients treated with combination anorganic bovine-derived hydroxyapatite matrix (ABM)/cell-binding peptide (P-15) bone replacement grafts in human infrabony defects. I. Clinical findings. Yukna RA, et al. 123
PERI-IMPLANT DISEASES/prevention and control
Bactericidal effect of the Er:YAG laser on dental implant surfaces: an in vitro study. Kreisler M, et al. 1292
The causes of early implant bone loss: myth or science? Oh T-J, et al. 322
PERI-IMPLANT DISEASES/therapy
Clinical response to 2 different therapeutic regimens to treat peri-implant mucositis. Porras R, et al. 1118
PERIODONTAL ATTACHMENT
The applicability of half-mouth examination to periodontal disease assessment in untreated adult populations. Dowsett SA, et al. 975
Effect of recombinant human bone morphogenetic protein-2/absorbable collagen sponge (rhBMP-2/ACS) on healing in 3-wall infrabony defects in dogs. Choi S-H, et al. 63
Effect of surgical implantation of recombinant human bone morphogenetic protein-2 in a bioabsorbable collagen sponge or calcium phosphate putty carrier in intrabony periodontal defects in the baboon. Blumenthal NM, et al. 1494
Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3
Root surface area of the mandibular cuspid and bicuspids. Mowry JK, et al. 1095
PERIODONTAL ATTACHMENT LOSS
Detection of human viruses in patients with chronic periodontitis and the relationship between viruses and clinical parameters. Saygun I, et al. 1437
Predicting tooth loss during a population-based study: role of attachment level in the presence of other dental conditions. Gilbert GH, et al. 1427
PERIODONTAL ATTACHMENT LOSS/adverse effects
Maximal bite force in patients with reduced periodontal tissue support with and without splinting. Kleinfelder JW, et al. 1184

Index

PERIODONTAL ATTACHMENT LOSS/etiology
Relationships between clinical attachment level and spine and hip bone mineral density: data from healthy and postmenopausal women. Pilgram TK, et al. 298
PERIODONTAL ATTACHMENT LOSS/therapy
Enamel matrix proteins in the treatment of deep bony defects. Cardaropoli G, et al. 501
PERIODONTAL DISEASES
The cost-effectiveness of interleukin-1 genetic testing for periodontal disease. Higashi MK, et al. 1474
Periodontal diseases are curable. Greenstein G. 950
PERIODONTAL DISEASES/adverse effects
Periodontal therapy may reduce the risk of preterm low birth weight in women with periodontal disease: a randomized controlled trial. López NJ, et al. 911
Predicting tooth loss during a population-based study: role of attachment level in the presence of other dental conditions. Gilbert GH, et al. 1427
PERIODONTAL DISEASES/complications
Relationship between periodontal disease in pregnant women and the nutritional condition of their newborns. Romero BC, et al. 1177
The role of cigarette smoking in the association between periodontal disease and coronary heart disease. Hyman JJ, et al. 988
Systemic release of endotoxins induced by gentle mastication: association with periodontitis severity. Geerts SO, et al. 73
PERIODONTAL DISEASES/diagnosis
The applicability of half-mouth examination to periodontal disease assessment in untreated adult populations. Dowsett SA, et al. 975
The cost-effectiveness of interleukin-1 genetic testing for periodontal disease. Higashi MK, et al. 1474
Endoscopic visualization of the submarginal gingiva dental sulcus and tooth root surfaces. Stambaugh RV, et al. 374
Langerhans' cell histiocytosis diagnosed through periodontal lesions: a case report. Muzzi L, et al. 1528
Primary extranodal malignant lymphoma affecting the periodontium. Mealey BL, et al. 937
Specific fibronectin fragments as markers of periodontal disease status. Huynh QN, et al. 1101
PERIODONTAL DISEASES/drug therapy
Rationale for use of antibiotics in periodontics. Walker C, et al. 1188
PERIODONTAL DISEASES/epidemiology
The effect of socioeconomic status on periodontal conditions in pregnancy. Yalcin F, et al. 178
Partial- and full-mouth approaches to assessing the prevalence and risk factors for periodontal disease in young adults. Thomson WM, et al. 1010
Periodontopathic bacterial infection in childhood. Kimura S, et al. 20
Prevalence and severity of periodontal disease at mandibular molar teeth in smokers with regular oral hygiene habits. Kerdvongbundit V, et al. 735
PERIODONTAL DISEASES/ethnology
The effect of shared genetic and environmental factors on periodontal disease parameters in untreated adult siblings in Guatemala. Dowsett SA, et al. 1160
PERIODONTAL DISEASES/etiology
Coping with stress: its influence on periodontal disease. Wimmer G, et al. 1343
Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. Johnson RB, et al. 383
Investigation of the association between angiographically defined coronary artery disease and periodontal disease. Malthaner SC, et al. 1169
Prevalence and severity of periodontal disease at mandibular molar teeth in smokers with regular oral hygiene habits. Kerdvongbundit V, et al. 735
Relationship between compliance and periodontal treatment outcome in smokers. Jansson LE, et al. 602
Relationships between clinical attachment level and spine and hip bone mineral density: data from healthy and postmenopausal women. Pilgram TK, et al. 298
Treatment of periodontal disease in a patient with Ehlers-Danlos syndrome. A case report and literature review. Perez L, et al. 564
PERIODONTAL DISEASES/microbiology
The effect of recombinant human bone morphogenetic protein-4 on the osteoblastic differention of mouse calvarial cells affected by *Porphyromonas gingivalis*. Kim C-S, et al. 1126
Effects of *Porphyromonas gingivalis* on the central nervous system: activation of glial cells and exacerbation of experimental autoimmune encephalomyelitis. Shapira L, et al. 511
Eikenella corrodens in subgingival plaque: relationship to age and periodontal condition. Suda R, et al. 886
Frequency of reactivity for *Porphyromonas gingivalis* and *Prevotella* spp. in supra- and subgingival plaques, and periodontal clinical parameters according to subject age. Tanaka S, et al. 877
Genetic dependence of the specific T-cell cytokine response to *Porphyromonas gingivalis* in mice. Gemmell E, et al. 591
IgG subclass specific antibody response to periodontopathic organisms in HIV-positive patients. Yeung SCH, et al. 1444

Index

Microbiological markers for prediction of assessment of treatment outcome following non-surgical periodontal therapy. Fujise O, et al. 1253
Periodontopathic bacterial infection in childhood. Kimura S, et al. 20
The relationship of oral malodor in patients with or without periodontal disease. Figueiredo LC, et al. 1338
Subgingival microbiota of Brazilian subjects with untreated chronic periodontitis. Colombo APV, et al. 360
PERIODONTAL DISEASES/pathogenesis
Detection of *Porphyromonas gingivalis* DNA in aortic tissue by PCR. Stelzel M, et al. 868
The effect of recombinant human bone morphogenetic protein-4 on the osteoblastic differentiation of mouse calvarial cells affected by *Porphyromonas gingivalis*. Kim C-S, et al. 1126
Human gingival fibroblasts produce nitric oxide in response to proinflammatory cytokines. Daghigh F, et al. 392
Isotypic antibody response to plaque anaerobes in periodontal disease. Plombas M, et al. 1507
Microbiological markers for prediction of assessment of treatment outcome following non-surgical periodontal therapy. Fujise O, et al. 1253
Periodontopathic bacterial infection in childhood. Kimura S, et al. 20
The role of soluble interleukin (IL)-6 receptor in mediating the effects of IL-6 on matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1 expression by gingival fibroblasts. Irwin CR, et al. 741
Specific fibronectin fragments as markers of periodontal disease status. Huynh QN, et al. 1101
Subgingival microbiota of Brazilian subjects with untreated chronic periodontitis. Colombo APV, et al. 360
PERIODONTAL DISEASES/prevention and control
Bisphosphonates and periodontics: potential applications for regulation of bone mass in the periodontium and other therapeutic/diagnostic uses. Tenenbaum HC, et al. 813
The effect of removable partial dentures on periodontal health of abutment and non-abutment teeth. Zlataric DK, et al. 137
The effect of socioeconomic status on periodontal conditions in pregnancy. Yalcin F, et al. 178
The effects of periodontal therapy on intracrevicular prostaglandin E_2 concentrations and clinical parameters in pregnancy. Yalcin F, et al. 173
Full-mouth therapy versus individual quadrant root planing: a critical commentary. Greenstein G. 797
Inhibition of proteolytic, serpinolytic, and progelatinase-B activation activities of periodontopathogens by doxycycline and non-antimicrobial chemically modified tetracycline derivatives. Grenier D, et al. 79
Isotypic antibody response to plaque anaerobes in periodontal disease. Plombas M, et al. 1507
Pain experienced by patients during periodontal maintenance treatment. Karadottir H, et al. 536
PERIODONTAL DISEASES/radiography
The prognostic value of several periodontal factors measured as radiographic bone level variation: a 10-year retrospective multilevel analysis of treated and maintained periodontal patients. Nieri M, et al. 1485
PERIODONTAL DISEASES/surgery
Clinical and radiologic evaluation of periodontal intrabony defects treated with guided tissue regeneration. A pilot study. Joly JC, et al. 353
Comparison between patient expectation before and satisfaction after periodontal surgical treatment. Lee J-M, et al. 1037
Patient perception of periodontal therapy completed in a periodontal practice. Fardal Ø, et al. 1060
Thirty-six month follow-up of 25 patients treated with combination anorganic bovine-derived hydroxyapatite matrix (ABM)/cell-binding peptide (P-15) bone replacement grafts in human infrabony defects. I. Clinical findings. Yukna RA, et al.123
PERIODONTAL DISEASES/therapy
Clinical and radiologic evaluation of periodontal intrabony defects treated with guided tissue regeneration. A pilot study. Joly JC, et al. 353
Comparison between patient expectation before and satisfaction after periodontal surgical treatment. Lee J-M, et al. 1037
Comparison of platelet-rich plasma, bovine porous bone mineral, and guided tissue regeneration versus platelet-rich plasma and bovine porous bone mineral in the treatment of intrabony defects: a reentry study. Lekovic V, et al. 198
Effect of locally delivered minocycline microspheres on markers of bone resorption. Oringer RJ, et al. 835
The effect of safflower seed extract on periodontal healing of 1-wall intrabony defects in beagle dogs. Kim H-Y, et al. 1457
Enamel matrix proteins in the treatment of deep bony defects. Cardaropoli G, et al. 501
Endoscopic visualization of the submarginal gingiva dental sulcus and tooth root surfaces. Stambaugh RV, et al. 374
Evaluation of non-surgical periodontal treatment using 2 time intervals. Eren KS, et al. 1015
Histocompatible healing of periodontal defects after application of an injectable calcium phosphate bone cement. A preliminary study in dogs. Shirakata Y, et al. 1043

Index

Microbiological markers for prediction of assessment of treatment outcome following nonsurgical periodontal therapy. Fujise O, et al. 1253

Modulation of the host response in periodontal therapy. Informational paper. American Academy of Periodontology. 460

Pain experienced by patients during periodontal maintenance treatment. Karadottir H, et al. 536

Patient perception of periodontal therapy completed in a periodontal practice. Fardal Ø, et al. 1060

Periodontal management of patients with cardiovascular diseases. American Academy of Periodontology. 954

The prognostic value of several periodontal factors measured as radiographic bone level variation: a 10-year retrospective multilevel analysis of treated and maintained periodontal patients. Nieri M, et al. 1485

Relationship of clinical depression to periodontal treatment outcome. Elter JR, et al. 441

Resolution of crevicular fluid leukocyte activity in patients treated for aggressive periodontal disease. Buchmann R, et al. 995

Treatment of intrabony periodontal defects with enamel matrix derivative: a literature review. Kalpidis CDR, et al. 1360

Treatment of periodontal disease in a patient with Ehlers-Danlos syndrome. A case report and literature review. Perez L, et al. 564

PERIODONTAL INDEX

The applicability of half-mouth examination to periodontal disease assessment in untreated adult populations. Dowsett SA, et al. 975

Treatment of gingival overgrowth induced by manidipine administration. A case report. Ikawa K, et al. 115

PERIODONTAL LIGAMENT

Application of enamel matrix derivative in autotransplantation of an impacted maxillary premolar: a case report. Ninomiya M, et al. 346

Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020

Tooth autotransplantation with double periodontal ligament stimulation to replace periodontally compromised teeth. Gault PC, et al. 575

PERIODONTAL LIGAMENT/anatomy and histology

Expression and activity of hyaluronidase in human periodontal ligament fibroblasts. Ohno S, et al. 1331

PERIODONTAL LIGAMENT ATTACHMENT

Permeability of *Streptococcus mutans* and *Actinobacillus actinomycetemcomitans* through guided tissue regeneration membranes and their effects on attachment of periodontal ligament cells. Hung S-L, et al. 843

PERIODONTAL POCKETS

The applicability of half-mouth examination to periodontal disease assessment in untreated adult populations. Dowsett SA, et al. 975

Association between periodontal pockets and elevated cholesterol and low density lipoprotein cholesterol levels. Katz J, et al. 494

PERIODONTAL POCKETS/prevention and control

Comparison of conventional periodontal maintenance versus scaling and root planing witth subgingival minocycline. Meinberg TA, et al. 167

PERIODONTAL PROBES

Detection of human viruses in patients with chronic periodontitis and the relationship between viruses and clinical parameters. Saygun I, et al. 1437

The effect of aspirin on the periodontal parameter bleeding on probing. Schrodi J, et al. 871

Frequency of reactivity for *Porphyromonas gingivalis* and *Prevotella* spp. in supra- and subgingival plaques, and periodontal clinical parameters according to subject age. Tanaka S, et al. 877

Pain experienced by patients during periodontal maintenance treatment. Karadottir H, et al. 536

Probing bone level measurements for determination of the depths of Class II furcation defects. Suh Y-I, et al. 637

Relationships between clinical attachment level and spine and hip bone mineral density: data from healthy and postmenopausal women. Pilgram TK, et al. 298

Treatment of gingival overgrowth induced by manidipine administration. A case report. Ikawa K, et al. 115

PERIODONTAL REGENERATION

Application of enamel matrix derivative in autotransplantation of an impacted maxillary premolar: a case report. Ninomiya M, et al. 346

Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020

A clinical comparison of a bovine-derived xenograft used alone and in combination with enamel matrix derivative for the treatment of periodontal osseous defects in humans. Scheyer ET, et al. 423

Clinical comparison of an enamel matrix derivative used alone or in combination with a bovine-derived xenograft for the treatment of periodontal osseous defects in humans. Velasquez-Plata D, et al. 433; erratum 684

Comparison of platelet-rich plasma, bovine porous bone mineral, and guided tissue regeneration versus platelet-rich plasma and bovine porous

Index

bone mineral in the treatment of intrabony defects: a reentry study. Lekovic V, et al. 198
Effect of polylactide/glycolide (PLGA) membranes loaded with metronidazole on periodontal regeneration following guided tissue regeneration in dogs. Kurtiş B, et al. 694
Effect of recombinant human bone morphogenetic protein-2/absorbable collagen sponge (rhBMP-2/ACS) on healing in 3-wall infrabony defects in dogs. Choi S-H, et al. 63
The effect of safflower seed extract on periodontal healing of 1-wall intrabony defects in beagle dogs. Kim H-Y, et al. 1457
Effect of surgical implantation of recombinant human bone morphogenetic protein-2 in a bioabsorbable collagen sponge or calcium phosphate putty carrier in intrabony periodontal defects in the baboon. Blumenthal NM, et al. 1494
Evaluation of frozen subepithelial connective tissue grafts to increase the zone of attached gingiva. Report of 5 cases. Soileau KM, et al. 220
Factors that modulate the effects of bone morphogenetic protein-induced periodontal regeneration: a critical review. King GN, et al. 925
Microscopic, immunocytochemical, and ultrastructural properties of peri-implant mucosa in humans. Marchetti C, et al. 555
A retrospective case series comparing the use of demineralized freeze-dried bone allograft and freeze-dried bone allograft combined with enamel matrix derivative for the treatment of advanced osseous lesions. Rosen PS, et al. 942
Tooth autotransplantation with double periodontal ligament stimulation to replace periodontally compromised teeth. Gault PC, et al. 575
Treatment of gingival recessions by combined periodontal regenerative technique, guided tissue regeneration, and subpedicle connective tissue graft. A comparative clinical study. Paolantonio M. 53
Treatment of intrabony periodontal defects with enamel matrix derivative: a literature review. Kalpidis CDR, et al. 1360

PERIODONTITIS
Periodontal assessment of patients undergoing angioplasty for treatment of coronary artery disease. Bazile A, et al. 631

PERIODONTITIS/adverse effects
Effects of topical administration of clodronate on alveolar bone resorption in rats with experimental periodontitis. Mitsuta T, et al. 479

PERIODONTITIS/drug therapy
Controlled local delivery of tetracycline with polymer strips in the treatment of periodontitis. Friesen LR, et al. 13
Disodium chlodronate prevents bone resorption in experimental periodontitis in rats. Alencar VBM, et al. 251
The effect of subgingival controlled-release delivery of chlorhexidine chip on clinical parameters and matrix metalloproteinase-8 levels in gingival crevicular fluid. Azmak N, et al. 608
Gingival crevicular fluid matrix metalloproteinase-8 levels following adjunctive use of meloxicam and initial phase of periodontal therapy. Buduneli N, et al. 103
Lactoferrin iron levels are reduced in saliva of patients with localized aggressive periodontitis. Fine DH, et al. 624
Rationale for use of antibiotics in periodontics. Walker C, et al. 1188

PERIODONTITIS/epidemiology
A critical assessment of interleukin-1 (IL-1) genotyping when used in a genetic susceptibility test for severe chronic periodontitis. Greenstein G, et al. 231
Fcγ receptor genes as risk markers for localized aggressive periodontitis in African-Americans. Fu Y, et al. 517
Oral hygiene practices and periodontitis in health care professionals. Merchant A, et al. 531

PERIODONTITIS/ethnology
The effect of shared genetic and environmental factors on periodontal disease parameters in untreated adult siblings in Guatemala. Dowsett SA, et al. 1160

PERIODONTITIS/etiology
Coping with stress: its influence on periodontal disease. Wimmer G, et al. 1343
Severe periodontitis in Marfan's syndrome: a case report. Straub AM, et al. 823

PERIODONTITIS/genetics
A critical assessment of interleukin-1 (IL-1) genotyping when used in a genetic susceptibility test for severe chronic periodontitis. Greenstein G, et al. 231
Smoking and polymorphisms of the interleukin-1 gene cluster (IL-1α, IL-1β, and IL-1RN) in patients with periodontal disease. Meisel P, et al. 27

PERIODONTITIS/immunology
Lamina propria dendritic cells express activation markers and contact lymphocytes in chronic periodontitis. Cirrincione C, et al. 45

PERIODONTITIS/microbiology
Periodontopathic bacteria in young healthy subjects of different ethnic backgrounds in Los Angeles. Sirinian G, et al. 283
Subgingival microbiota of Brazilian subjects with untreated chronic periodontitis. Colombo APV, et al. 360

Index

PERIODONTITIS/pathogenesis
Detection of human viruses in patients with chronic periodontitis and the relationship between viruses and clinical parameters. Saygun I, et al. 1437
New biomarker evidence on oxidative DNA damage in whole saliva from clinically healthy and periodontally diseased individuals. Takane M, et al. 551
Subgingival microbiota of Brazilian subjects with untreated chronic periodontitis. Colombo APV, et al. 360
PERIODONTITIS/prevention and control
Effect of selective cyclooxygenase-2 inhibition on the development of ligature-induced periodontitis in rats. Holzhausen M, et al. 1030
Oral hygiene practices and periodontitis in health care professionals. Merchant A, et al. 531
Smoking and polymorphisms of the interleukin-1 gene cluster (IL-1α, IL-1β, and IL-1RN) in patients with periodontal disease. Meisel P, et al. 27
PERIODONTITIS/therapy
Adjunctive benefits of subantimicrobial dose doxycycline in the management of severe, generalized, chronic periodontitis. Novak MJ, et al. 762
Aggressive periodontitis: 5-year follow-up of treatment. Buchmann R, et al. 675
Clinical evaluation of an enamel matrix protein derivative combined with a bioactive glass for the treatment of intrabony periodontal defects in humans. Sculean A, et al. 401
Effects of phase I periodontal treatment on gingival crevicular fluid levels of matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1. Tüter G, et al. 487
An update on HIV and periodontal disease. Ryder MI. 1071
PERIODONTITIS, AGGRESSIVE
Aggressive periodontitis: 5-year follow-up of treatment. Buchmann R, et al. 675
Fcγ receptor genes as risk markers for localized aggressive periodontitis in African-Americans. Fu Y, et al. 517
PERIODONTITIS, AGGRESSIVE/pathogenesis
Level of neopterin, a marker of immune cell activation in gingival crevicular fluid, saliva, and urine in patients with aggressive periodontitis. Ozmeriç N, et al. 720
PERIODONTITIS, EARLY-ONSET/etiology
A novel mutation of the cathepsin C gene in Papillon-Lefèvre syndrome. Cury VF, et al. 307
PERIODONTIUM/anatomy and histology
Bisphosphonates and periodontics: potential applications for regulation of bone mass in the periodontium and other therapeutic/diagnostic uses. Tenenbaum HC, et al. 813
PHENYTOIN/therapeutic use
Cytokine regulation of gingival fibroblast lysyl oxidase, collagen, and elastin. Hong H-H, et al. 145
PLANING
Comparison of conventional periodontal maintenance versus scaling and root planing with subgingival minocycline. Meinberg TA, et al. 167
Controlled local delivery of tetracycline with polymer strips in the treatment of periodontitis. Friesen LR, et al. 13
Effects of CO_2 laser treatment on fibroblast attachment to root surfaces. A scanning electron microscopy analysis. Crespi R, et al. 1308
Full-mouth therapy versus individual quadrant root planing: a critical commentary. Greenstein G. 797
In vitro effect of laser irradiation on cementum-bound endotoxin isolated from periodontally diseased roots. Liu C-M, et al. 1260
Microbiological markers for prediction of assessment of treatment outcome following non-surgical periodontal therapy. Fujise O, et al. 1253
PLASMA, PLATELET-RICH
Comparison of platelet-rich plasma, bovine porous bone mineral, and guided tissue regeneration versus platelet-rich plasma and bovine porous bone mineral in the treatment of intrabony defects: a reentry study. Lekovic V, et al. 198
POLYLACTIC ACID/therapeutic use
Comparison of clinical, radiographic, and histometric measurements following treatment with guided tissue regeneration or enamel matrix proteins in human periodontal defects. Windisch P, et al. 409
A retrospective case series comparing the use of demineralized freeze-dried bone allograft and freeze-dried bone allograft combined with enamel matrix derivative for the treatment of advanced osseous lesions. Rosen PS, et al. 942
POLYLACTIDES/therapeutic use
Effect of polylactide/glycolide (PLGA) membranes loaded with metronidazole on periodontal regeneration following guided tissue regeneration in dogs. Kurtiş B, et al. 694
POLYMERASE CHAIN REACTION
Detection of *Porphyromonas gingivalis* DNA in aortic tissue by PCR. Stelzel M, et al. 868
POLYMORPHISM
Smoking and polymorphisms of the interleukin-1 gene cluster (IL-1α, IL-1β, and IL-1RN) in patients with periodontal disease. Meisel P, et al. 27
POLYMORPHISMS (genetics)
Fcγ receptor genes as risk markers for localized aggressive periodontitis in African-Americans. Fu Y, et al. 517

Index

POLYTETRAFLUOROETHYLENE/therapeutic use
Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3
Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. II. A case series of infrabony defects. Kim T-S, et al. 450
Medical grade calcium sulfate hemihydrate versus expanded polytetrafluoroethylene in the treatment of mandibular Class II furcations. Couri CJ, et al. 1352
Osseous reconstruction using a membrane barrier following marginal mandibulectomy: an animal pilot study. Peled M, et al. 1451
PORPHYROMONAS GINGIVALIS
Detection of *Porphyromonas gingivalis* DNA in aortic tissue by PCR. Stelzel M, et al. 868
The effect of recombinant human bone morphogenetic protein-4 on the osteoblastic differentiation of mouse calvarial cells affected by *Porphyromonas gingivalis*. Kim C-S, et al. 1126
Effects of *Porphyromonas gingivalis* on the central nervous system: activation of glial cells and exacerbation of experimental autoimmune encephalomyelitis. Shapira L, et al. 511
Frequency of reactivity for *Porphyromonas gingivalis* and *Prevotella* spp. in supra- and subgingival plaques, and periodontal clinical parameters according to subject age. Tanaka S, et al. 877
Genetic dependence of the specific T-cell cytokine response to *Porphyromonas gingivalis* in mice. Gemmell E, et al. 591
Inhibition of proteolytic, serpinolytic, and progelatinase-B activation activities of periodontopathogens by doxycycline and non-antimicrobial chemically modified tetracycline derivatives. Grenier D, et al. 79
Microbiological markers for prediction of assessment of treatment outcome following non-surgical periodontal therapy. Fujise O, et al. 1253
The role of CD4+ cells in vivo on the induction of the immune response to *Porphyromonas gingivalis* in mice. Sosroseno W, et al. 1133
PREGNANCY
Pathogenic roles of angiogenic factors in pyogenic granulomas in pregnancy are modulated by female sex hormones. Yuan K, et al. 701
Relationship between periodontal disease in pregnant women and the nutritional condition of their newborns. Romero BC, et al. 1177
PREGNANCY/adverse effects
The effect of socioeconomic status on periodontal conditions in pregnancy. Yalcin F, et al. 178
The effects of periodontal therapy on intracrevicular prostaglandin E_2 concentrations and clinical parameters in pregnancy. Yalcin F, et al. 173
PREMOLAR
Application of enamel matrix derivative in autotransplantation of an impacted maxillary premolar: a case report. Ninomiya M, et al. 346
Implant placement in maxillary first premolar fresh extraction sockets: description of technique and report of preliminary results. Fugazzotto PA. 669
PREVOTELLA
Frequency of reactivity for *Porphyromonas gingivalis* and *Prevotella* spp. in supra- and subgingival plaques, and periodontal clinical parameters according to subject age. Tanaka S, et al. 877
PROCESS ASSESSMENT
A method to assess the clinical outcome of ridge augmentation procedures. Proussaefs PT, et al. 302
PROGNOSIS
The prognostic value of several periodontal factors measured as radiographic bone level variation: a 10-year retrospective multilevel analysis of treated and maintained periodontal patients. Nieri M, et al. 1485
PROSTAGLANDINS/adverse effects
The effects of periodontal therapy on intracrevicular prostaglandin E_2 concentrations and clinical parameters in pregnancy. Yalcin F, et al. 173
PROTEIN S DEFICIENCY/diagnosis
Serendipitous diagnosis of protein S deficiency. Aguirre A, et al. 1197
PROTEIN SYNTHESIS
Nicotine modulation of in vitro human gingival fibroblast β_1 integrin expression. Snyder HB, et al. 505
PROTEINASE INHIBITORS
Inhibition of proteolytic, serpinolytic, and progelatinase-B activation activities of periodontopathogens by doxycycline and non-antimicrobial chemically modified tetracycline derivatives. Grenier D, et al. 79
PROTEINASES
Inhibition of proteolytic, serpinolytic, and progelatinase-B activation activities of periodontopathogens by doxycycline and non-antimicrobial chemically modified tetracycline derivatives. Grenier D, et al. 79
PROTEINS, BONE MORPHOGENETIC
Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020
The effect of recombinant human bone morphogenetic protein-4 on the osteoblastic differen-

Index

tiation of mouse calvarial cells affected by *Porphyromonas gingivalis*. Kim C-S, et al. 1126

Effect of surgical implantation of recombinant human bone morphogenetic protein-2 in a bioabsorbable collagen sponge or calcium phosphate putty carrier in intrabony periodontal defects in the baboon. Blumenthal NM, et al. 1494

Factors that modulate the effects of bone morphogenetic protein-induced periodontal regeneration: a critical review. King GN, et al. 925

PROTEINS, ENAMEL MATRIX/therapeutic use

Application of enamel matrix derivative in autotransplantation of an impacted maxillary premolar: a case report. Ninomiya M, et al. 346

A clinical comparison of a bovine-derived xenograft used alone and in combination with enamel matrix derivative for the treatment of periodontal osseous defects in humans. Scheyer ET, et al. 423

Clinical comparison of an enamel matrix derivative used alone or in combination with a bovine-derived xenograft for the treatment of periodontal osseous defects in humans. Velasquez-Plata D, et al. 433; erratum 684

Clinical evaluation of an enamel matrix protein derivative combined with a bioactive glass for the treatment of intrabony periodontal defects in humans. Sculean A, et al. 401

Comparison of clinical, radiographic, and histometric measurements following treatment with guided tissue regeneration or enamel matrix proteins in human periodontal defects. Windisch P, et al. 409

Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3

Enamel matrix proteins in the treatment of deep bony defects. Cardaropoli G, et al. 501

Treatment of intrabony periodontal defects with enamel matrix derivative: a literature review. Kalpidis CDR, et al. 1360

PROTEINS, RECOMBINANT

Effect of recombinant human bone morphogenetic protein-2/absorbable collagen sponge (rhBMP-2/ACS) on healing in 3-wall infrabony defects in dogs. Choi S-H, et al. 63

PYOSTOMATITIS VEGETANS

Pyostomatitis vegetans as an early sign of reactivation of Crohn's disease: a case report. Ayangco L, et al. 1512

PYROLIDINIUM CROSS-LINKS

Effect of locally delivered minocycline microspheres on markers of bone resorption. Oringer RJ, et al. 835

R

RADIOGRAPHY, DENTAL

Clinical application of spiral tomography in anterior implant placement: case report. Dixon DR, et al. 1202

RADIOGRAPHY, DENTAL/instrumentation

Calculation of simplified single-root surface area from simulated x-ray projection. Chen S-K, et al. 906

RADIOGRAPHY, DENTAL, DIGITAL

Calculation of simplified single-root surface area from simulated x-ray projection. Chen S-K, et al. 906

RECEPTORS, IgG

Fcγ receptor genes as risk markers for localized aggressive periodontitis in African-Americans. Fu Y, et al. 517

RECEPTORS, INTERLEUKIN-6 SOLUBLE

The role of soluble interleukin (IL)-6 receptor in mediating the effects of IL-6 on matrix metalloproteinase-1 and tissue inhibitor of metalloproteinase-1 expression by gingival fibroblasts. Irwin CR, et al. 741

REGRESSION ANALYSIS

Periodontal assessment of patients undergoing angioplasty for treatment of coronary artery disease. Bazile A, et al. 631

REPRODUCIBILITY OF RESULTS

Probing bone level measurements for determination of the depths of Class II furcation defects. Suh Y-I, et al. 637

Subgingival calculus detection with fluorescence induced by 655 nm InGaAsP diode laser radiation. Folwaczny M, et al. 597

RISK FACTORS

Association between periodontal pockets and elevated cholesterol and low density lipoprotein cholesterol levels. Katz J, et al. 494

The cost-effectiveness of interleukin-1 genetic testing for periodontal disease. Higashi MK, et al. 1474

Fcγ receptor genes as risk markers for localized aggressive periodontitis in African-Americans. Fu Y, et al. 517

Investigation of the association between angiographically defined coronary artery disease and periodontal disease. Malthaner SC, et al. 1169

Partial- and full-mouth approaches to assessing the prevalence and risk factors for periodontal disease in young adults. Thomson WM, et al. 1010

Periodontal assessment of patients undergoing angioplasty for treatment of coronary artery disease. Bazile A, et al. 631

Periodontal therapy may reduce the risk of preterm low birth weight in women with periodontal dis-

ease: a randomized controlled trial. López NJ, et al. 911
Periodontopathic bacteria in young healthy subjects of different ethnic backgrounds in Los Angeles. Sirinian G, et al. 283
Predicting tooth loss during a population-based study: role of attachment level in the presence of other dental conditions. Gilbert GH, et al. 1427
Relationship between compliance and periodontal treatment outcome in smokers. Jansson LE, et al. 602
Relationship between periodontal disease in pregnant women and the nutritional condition of their newborns. Romero BC, et al. 1177
The role of cigarette smoking in the association between periodontal disease and coronary heart disease. Hyman JJ, et al. 988
Smoking and polymorphisms of the interleukin-1 gene cluster (IL-1α, IL-1β, and IL-1RN) in patients with periodontal disease. Meisel P, et al. 27
Systemic release of endotoxins induced by gentle mastication: association with periodontitis severity. Geerts SO, et al. 73

S

SAFFLOWER OIL/therapeutic use
The effect of safflower seed extract on periodontal healing of 1-wall intrabony defects in beagle dogs. Kim H-Y, et al. 1457
SALIVA/analysis
Effect of estrogen deficiency on skeletal and alveolar bone density in sheep. Johnson RB, et al. 383
Isotypic antibody response to plaque anaerobes in periodontal disease. Plombas M, et al. 1507
Lactoferrin iron levels are reduced in saliva of patients with localized aggressive periodontitis. Fine DH, et al. 624
Level of neopterin, a marker of immune cell activation in gingival crevicular fluid, saliva, and urine in patients with aggressive periodontitis. Ozmeriç N, et al. 720
New biomarker evidence on oxidative DNA damage in whole saliva from clinically healthy and periodontally diseased individuals. Takane M, et al. 551
SALIVA/microbiology
Periodontopathic bacteria in young healthy subjects of different ethnic backgrounds in Los Angeles. Sirinian G, et al. 283
SCALING
Comparison of conventional periodontal maintenance versus scaling and root planing with subgingival minocycline. Meinberg TA, et al. 167
Effects of CO_2 laser treatment on fibroblast attachment to root surfaces. A scanning electron microscopy analysis. Crespi R, et al. 1308
Endoscopic visualization of the submarginal gingiva dental sulcus and tooth root surfaces. Stambaugh RV, et al. 374
Er:YAG laser scaling of diseased root surfaces. Frentzen M, et al. 524
In vitro effect of laser irradiation on cementum-bound endotoxin isolated from periodontally diseased roots. Liu C-M, et al. 1260
Microbiological markers for prediction of assessment of treatment outcome following non-surgical periodontal therapy. Fujise O, et al. 1253
SELF MUTILATION
Tongue piercing: impact of time and barbell stem length on lingual gingival recession and tooth chipping. Campbell A, et al. 289
SERUM
Effects of serum on hepatocyte growth factor secretion and activation by periodontal ligament and gingival fibroblasts. Ohshima M, et al. 473
SIGNS AND SYMPTOMS, ORAL
Oral manifestations of acute myelomonocytic leukemia: a case report and review of the classification of leukemias. Wu J, et al. 664
SIMVASTATIN/therapeutic use
Effects of simvastatin gels on murine calvarial bone. Thylin MR, et al. 1141
SJÖGREN'S SYNDROME
Treatment of gingival overgrowth induced by manidipine administration. A case report. Ikawa K, et al. 115
SMEAR LAYER
Dentin morphology and permeability after brushing with different toothpastes in the presence and absence of smear layer. Prati C, et al. 183
SMOKING/adverse effects
Intermittent cigarette smoke inhalation may affect bone volume around titanium implants in rats. Nociti FH, Jr., et al. 982
Nicotine modulation of in vitro human gingival fibroblast β_1 integrin expression. Snyder HB, et al. 505
Prevalence and severity of periodontal disease at mandibular molar teeth in smokers wih regular oral hygiene habits. Kerdvongbundit V, et al. 735
Relationship between compliance and periodontal treatment outcome in smokers. Jansson LE, et al. 602
The role of cigarette smoking in the association between periodontal disease and coronary heart disease. Hyman JJ, et al. 988
Smoking and complications of endosseous dental implants. Schwartz-Arad D, et al. 153

Index

Smoking and polymorphisms of the interleukin-1 gene cluster (IL-1α, IL-1β, and IL-1RN) in patients with periodontal disease. Meisel P, et al. 27

SNAIL TRACK LESIONS
Pyostomatitis vegetans as an early sign of reactivation of Crohn's disease: a case report. Ayangco L, et al. 1512

SOCIOECONOMIC FACTORS
The effect of socioeconomic status on periodontal conditions in pregnancy. Yalcin F, et al. 178
Periodontopathic bacteria in young healthy subjects of different ethnic backgrounds in Los Angeles. Sirinian G, et al. 283

SOFT TISSUE HEALTH
Comparison of 2 retentive systems for implant-supported overdentures: soft tissue management and evaluation of patient satisfaction. Karabuda C, et al. 1067

SPACE MAINTENANCE
Erratum. Friedmann A, et al. 352 (2001;72, 1616)

SPLINTS
Maximal bite force in patients with reduced periodontal tissue support with and without splinting. Kleinfelder JW, et al. 1184

STRESS
Coping with stress: its influence on periodontal disease. Wimmer G, et al. 1343
Strain relaxation of fibroblasts in the marginal periodontium is the common trigger for alveolar bone resorption: a novel hypothesis. Binderman I, et al. 1210

STRESS MANAGEMENT
Coping with stress: its influence on periodontal disease. Wimmer G, et al. 1343

STRESS, OXIDATIVE
New biomarker evidence on oxidative DNA damage in whole saliva from clinically healthy and periodontally diseased individuals. Takane M, et al. 551

SULFUR COMPOUNDS
The relationship of oral malodor in patients with or without periodontal disease. Figueiredo LC, et al. 1338

SURFACE ACTIVE AGENTS
Evaluation of pluronic polyols as carriers for grafting materials: study in rat calvaria defects. Fowler EB, et al. 191

SURGICAL FLAPS
Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. Lee E-J, et al. 779
Enamel matrix proteins and guided tissue regeneration with titanium-reinforced expanded polytetrafluoroethylene membranes in the treatment of infrabony defects: a comparative controlled clinical trial. Zucchelli G, et al. 3
Osseous reconstruction using a membrane barrier following marginal mandibulectomy: an animal pilot study. Peled M, et al. 1451
Root coverage with connective tissue grafts: an evaluation of short- and long-term results. Harris RJ. 1054
A 3-year longitudinal evaluation of subpedicle free connective tissue graft for gingival recession coverage. Lee Y-M, et al. 1412

SUSCEPTIBILITY TESTS
A critical assessment of interleukin-1 (IL-1) genotyping when used in a genetic susceptibility test for severe chronic periodontitis. Greenstein G, et al. 231

T

T CELLS
The role of CD4+ cells in vivo on the induction of the immune response to *Porphyromonas gingivalis* in mice. Sosroseno W, et al. 1133

T LYMPHOCYTES
Genetic dependence of the specific T-cell cytokine response to *Porphyromonas gingivalis* in mice. Gemmell E, et al. 591

TACROLIMUS/adverse effects
Periodontal changes in liver cirrhosis and post-transplantation patients. II: Radiographic findings. Oettinger-Barak O, et al. 313

TETRACYCLINE/therapeutic use
Controlled local delivery of tetracycline with polymer strips in the treatment of periodontitis. Friesen LR, et al. 13
Inhibition of proteolytic, serpinolytic, and progelatinase-B activation activities of periodontopathogens by doxycycline and non-antimicrobial chemically modified tetracycline derivatives. Grenier D, et al. 79

TETRACYCLINES, CHEMICALLY MODIFIED/therapeutic use
Inhibition of matrix metalloproteinase-mediated periodontal bone loss in rats: a comparison of 6 chemically modified tetracyclines. Ramamurthy NS, et al. 726

TISSUE ENGINEERING
Vascular endothelial growth factor and transforming growth factor-α and -β_1 are released from human cultured gingival epithelial sheets. Momose M, et al. 748

TISSUE REGENERATION
Vascular endothelial growth factor and transforming growth factor-α and -β_1 are released from human cultured gingival epithelial sheets. Momose M, et al. 748

TITANIUM
Enamel matrix derivative and bone healing after guided bone regeneration in dehiscence-type

defects around implants. A histomorphometric study in dogs. Casati MZ, et al. 789
Evaluation of the titanium Ti-6A1-7Nb alloy with and without plasma-sprayed hydroxyapatite coating on growth and viability of cultured osteoblast-like cells. Lavos-Valereto I de C, et al. 900
Influence of nicotine administration on different implant surfaces: a histometric study in rabbits. Stefani CM, et al. 206
Intermittent cigarette smoke inhalation may affect bone volume around titanium implants in rats. Nociti FH, Jr., et al. 982
A study of the initial attachment and subsequent behavior of rat oral epithelial cells cultured on titanium. Shiraiwa M, et al. 852
TOBACCO/adverse effects
Prevalence and severity of periodontal disease at mandibular molar teeth in smokers with regular oral hygiene habits. Kerdvongbundit V, et al. 735
TOMOGRAPHY, SPIRAL
Clinical application of spiral tomography in anterior implant placement: case report. Dixon DR, et al. 1202
TONGUE/injuries
Tongue piercing: impact of time and barbell stem length on lingual gingival recession and tooth chipping. Campbell A, et al. 289
TOOTH EXTRACTION
Histological comparison of healing extraction sockets implanted with bioactive glass or demineralized freeze-dried bone allograft: a pilot study. Froum S, et al. 94
Sinus floor augmentation at the time of maxillary molar extraction: success and failure rates of 137 implants in function up to 3 years. Fugazzotto PA, et al. 39
TOOTH EXTRACTION/therapy
Comparative study of buccal dehiscence defects in immediate, delayed, and late maxillary implant placement with collagen membranes: clinical healing between placement and second-stage surgery. Nemcovsky CE, et al. 754
Implant placement in maxillary first premolar fresh extraction sockets: description of technique and report of preliminary results. Fugazzotto PA. 669
TOOTH FRACTURES/etiology
Tongue piercing: impact of time and barbell stem length on lingual gingival recession and tooth chipping. Campbell A, et al. 289
TOOTH, IMPACTED/therapy
Application of enamel matrix derivative in autotransplantation of an impacted maxillary premolar: a case report. Ninomiya M, et al. 346
TOOTH INJURIES/etiology
Tongue piercing: impact of time and barbell stem length on lingual gingival recession and tooth chipping. Campbell A, et al. 289
TOOTH LOSS/etiology
Predicting tooth loss during a population-based study: role of attachment level in the presence of other dental conditions. Gilbert GH, et al. 1427
TOOTH MOBILITY
The effect of removable partial dentures on periodontal health of abutment and non-abutment teeth. Zlataric DK, et al. 137
TOOTH REPLANTATION
Application of enamel matrix derivative in autotransplantation of an impacted maxillary premolar: a case report. Ninomiya M, et al. 346
Tooth autotransplantation with double periodontal ligament stimulation to replace periodontally compromised teeth. Gault PC, et al. 575
TOOTH RESORPTION
Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020
External root resorption following partial-thickness connective tissue graft placement: a case report. Hokett SD, et al. 334
TOOTH RESORPTION/prevention and control
Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. White C, Jr., et al. 1517
TOOTH ROOT
Bone repair following recombinant human bone morphogenetic protein-2 stimulated periodontal regeneration. Selvig KA, et al. 1020
Calculation of simplified single-root surface area from simulated x-ray projection. Chen S-K, et al. 906
Combined therapy of mineral trioxide aggregate and guided tissue regeneration in the treatment of external root resorption and an associated osseous defect. White C, Jr., et al. 1517
Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. Lee E-J, et al. 779
Comparison of conventional periodontal maintenance versus scaling and root planing with subgingival minocycline. Meinberg TA, et al. 167
Coverage of previously carious roots is as predictable a procedure as coverage of intact roots. Goldstein M, et al. 1419
Effects of CO_2 laser treatment on fibroblast attachment to root surfaces. A scanning electron microscopy analysis. Crespi R, et al. 1308

Index

Endoscopic visualization of the submarginal gingiva dental sulcus and tooth root surfaces. Stambaugh RV, et al. 374

External root resorption following partial-thickness connective tissue graft placement: a case report. Hokett SD, et al. 334

Full-mouth therapy versus individual quadrant root planing: a critical commentary. Greenstein G. 797

Histological evaluation of 4 cases of root coverage following a connective tissue graft combined with an enamel matrix derivative preparation. Carnio J, et al. 1534

In vivo ultrasonic debridement forces in bicuspids: a pilot study. Ruppert M, et al. 418

Root surface morphological changes after focused versus defocused CO_2 laser irradiation: a scanning electron microscopy analysis. Barone A, et al. 370

Treatment of gingival recessions by combined periodontal regenerative technique, guided tissue regeneration, and subpedicle connective tissue graft. A comparative clinical study. Paolantonio M. 53

TOOTH ROOT/anatomy and histology

Er:YAG laser scaling of diseased root surfaces. Frentzen M, et al. 524

Root surface area of the mandibular cuspid and bicuspids. Mowry JK, et al. 1095

TOOTH ROOT/surgery

Root coverage with connective tissue grafts: an evaluation of short- and long-term results. Harris RJ. 1054

Subpedicle acellular dermal matrix graft and autogenous connective tissue graft in the treatment of gingival recessions: a comparative 1-year clinical study. Paolantonio M, et al. 1299

A 3-year longitudinal evaluation of subpedicle free connective tissue graft for gingival recession coverage. Lee Y-M, et al. 1412

TOOTH ROOT/therapy

Factors that modulate the effects of bone morphogenetic protein-induced periodontal regeneration: a critical review. King GN, et al. 925

TOOTHBRUSHING

Six-month comparison of powered versus manual toothbrushing for safety and efficacy in the absence of professional instruction in mechanical plaque control. Dentino AR, et al.770

TOOTHBRUSHING/adverse effects

Dentin morphology and permeability after brushing with different toothpastes in the presence and absence of smear layer. Prati C, et al. 183

The effect of duration and force of mechanical toothbrusing stimulation on proliferative activity of the junctional epithelium. Tomofuji T, et al. 1149

TOOTHPASTE

Dentin morphology and permeability after brushing with different toothpastes in the presence and absence of smear layer. Prati C, et al. 183

TUMOR NECROSIS FACTOR

Expression and activity of hyaluronidase in human periodontal ligament fibroblasts. Ohno S, et al. 1331

Pathogenic roles of angiogenic factors in pyogenic granulomas in pregnancy are modulated by female sex hormones. Yuan K, et al. 701

U

ULTRASONICS/therapeutic use

Effects of CO_2 laser treatment on fibroblast attachment to root surfaces. A scanning electron microscopy analysis. Crespi R, et al. 1308

Er:YAG laser scaling of diseased root surfaces. Frentzen M, et al. 524

In vivo ultrasonic debridement forces in bicuspids: a pilot study. Ruppert M, et al. 418

URINE/analysis

Level of neopterin, a marker of immune cell activation in gingival crevicular fluid, saliva, and urine in patients with aggressive periodontitis. Ozmeriç N, et al. 720

W

WOUND HEALING

Comparative histologic analysis of coronally advanced flap with and without collagen membrane for root coverage. Lee E-J, et al. 779

Comparative study of buccal dehiscence defects in immediate, delayed, and late maxillary implant placement with collagen membranes: clinical healing between placement and second-stage surgery. Nemcovsky CE, et al. 754

The effect of safflower seed extract on periodontal healing of 1-wall intrabony defects in beagle dogs. Kim H-Y, et al. 1457

Effect of surgical implantation of recombinant human bone morphogenetic protein-2 in a bioabsorbable collagen sponge or calcium phosphate putty carrier in intrabony periodontal defects in the baboon. Blumenthal NM, et al. 1494

Evaluation of pluronic polyols as carriers for grafting materials: study in rat calvaria defects. Fowler EB, et al. 191

Factors that modulate the effects of bone morphogenetic protein-induced periodontal regeneration: a critical review. King GN, et al. 925

Histological comparison of healing extraction sockets implanted with bioactive glass or demineer-

Index

alized freeze-dried bone allograft: a pilot study. Froum S, et al. 94
Influence of the size of the microgap on crestal bone levels in non-submerged dental implants: a radiographic study in the canine mandible. King GN, et al. 1111
Tooth auto-transplantation with double periodontal ligament stimulation to replace periodontally compromised teeth. Gault PC, et al. 575
Treatment of intrabony periodontal defects with enamel matrix derivative: a literature review. Kalpidis CDR, et al. 1360
Vascular endothelial growth factor and transforming growth factor-α and -β_1 are released from human cultured gingival epithelial sheets. Momose M, et al. 748